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**THE MODERATING ROLE OF INFRASTRUCTURE  
FACILITY ON THE RELATIONSHIP BETWEEN  
ORGANIZATIONAL CAPABILITY AND  
PERFORMANCE**



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**DOCTOR OF PHILOSOPHY  
UNIVERSITI UTARA MALAYSIA 2018**

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RELATIOSHIP BETWEEN ORGANIZATIONAL CAPABILITY AND  
PERFORMANCE**

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**Thesis Submitted to  
School of Business Management, Universiti  
Utara Malaysia.  
In fulfilment of the requirement for the Degree of Doctor of Philosophy**

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## ABSTRACT

The role of SMEs in the economic development of the country is well established as the sector is the bedrock of entrepreneurship and innovation which is normally driven by individual creativity that leads to job creation, poverty reduction, wealth creation, income distribution and reduction in income disparity. The low performance and low survival rate of Small and Medium Enterprises (SMEs) deny their potential valuable contribution to an economy. SMEs fail to perform up to the expectation as a result of particular constraints that are related to inadequate and non-functional infrastructure facility to support their operations, inability to innovate, lack of marketing capability, non-application of strategic capability and lack of learning capability. A randomly selected sample of 235 manufacturing SMEs in Nigeria were analysed using Partial Least Squares Structured Equation Modelling (PLS-SEM) method. Results supported the hypothesized direct effects of innovation capability, marketing capability, strategic capability and learning capability on performance of manufacturing SMEs in Nigeria. In addition, infrastructure facility moderated these relationships. Specifically, there is positive moderating effect of infrastructure facility on the relationship between innovation capability, marketing capability, strategic capability, learning capability and performance of manufacturing SMEs in Nigeria. Furthermore, infrastructure facility have a significant moderating on the path between IC and performance, MC and performance, SC and performance, LC and performance. In general, these findings supported the view that Organizational capability has positive influence on performance. The results of this study provide an important insights to owners, policy-makers and researchers to understand the effects of Organizational capability on SMEs performance. The outcome of the study also provides that organizational capability and firm performance depends on the availability of infrastructure facility, this study also presents a methodological contribution to the literature of SMEs performance through identifying validity and reliability of the adapted measures in the different context (Nigerian context.).

**Keywords:** SMEs Performance, Organizational Capability, Infrastructure facility, Nigerian

## ABSTRAK

Peranan PKS dalam pembangunan ekonomi negara adalah mantap kerana sektor ini adalah dasar keusahawanan dan inovasi yang biasanya didorong oleh kreativiti individu yang membawa kepada penciptaan pekerjaan, pengurangan kemiskinan, penciptaan kekayaan, pengagihan pendapatan dan pengurangan perbezaan pendapatan. Prestasi rendah dan tahap kelangsungan hidup yang rendah bagi Perusahaan Kecil dan Sederhana (PKS) menafikan sumbangan mereka yang berharga kepada ekonomi. PKS gagal melaksanakan sehingga jangkaan akibat kekangan tertentu yang berkaitan dengan kemudahan infrastruktur yang tidak mencukupi dan tidak berfungsi untuk menyokong operasi mereka, ketidakupayaan untuk berinovasi, kekurangan keupayaan pemasaran, tidak menggunakan keupayaan strategik dan kekurangan kemampuan pembelajaran. Sampel yang dipilih secara rawak daripada 235 SME perkilangan di Nigeria dianalisis dengan menggunakan kaedah Modeling Equation Structured Partial Least Partial (PLS-SEM). Keputusan menyokong kesan langsung keupayaan inovatif, keupayaan pemasaran, keupayaan strategik dan keupayaan pembelajaran terhadap prestasi pembuatan PKS di Nigeria. Di samping itu, kemudahan infrastruktur memodalkan hubungan ini. Secara khusus, ada kesan penyederhanaan positif terhadap kemudahan infrastruktur mengenai hubungan antara keupayaan inovasi, keupayaan pemasaran, keupayaan strategik, keupayaan pembelajaran dan prestasi pembuatan PKS di Nigeria. Selain itu, kemudahan infrastruktur mempunyai penyederhanaan yang ketara di laluan antara IC dan prestasi, MC dan prestasi, SC dan prestasi, LC dan prestasi. Secara umumnya, penemuan ini menyokong pandangan bahawa keupayaan organisasi mempunyai pengaruh positif terhadap prestasi. Hasil kajian ini memberikan pandangan penting kepada para pemilik, pembuat kebijakan dan penyelidik untuk memahami kesan keupayaan Organisasi terhadap prestasi PKS. Pembuat dasar harus menggalakkan kerajaan menyediakan kemudahan infrastruktur yang mencukupi dan berfungsi. Hasil kajian juga menunjukkan keupayaan organisasi dan prestasi firma bergantung kepada ketersediaan kemudahan infrastruktur, kajian ini juga membentangkan sumbangan metodologi kepada literatur prestasi PKS melalui mengenal pasti kesahan dan kebolehpercayaan langkah yang disesuaikan dalam konteks yang berbeza (konteks Nigeria.).

Kata kunci: Prestasi PKS, Keupayaan Organisasi, Kemudahan Infrastruktur, Nigeria

## ACKNOWLEDGEMENT

Praise and gratitude be to the Lord of the universe and Sustainer of the earth; ALLAH – the most Compassionate and the most Merciful, upon whose will, mercy and blessing my PhD journey became successful. Tranquillity, peace, and blessing are upon His messenger – Abul Fatima Mohammad Ibn Abdullah (SAW). This thesis cannot be complete until acknowledgments are made to the key personalities by whose efforts and guidance became valuable material. First, are my supervisors – Associate Professor, Dr. Lily Julienti Abu Bakar and Dr. Shamsul Huda Binti Abd Rani who should be thanked for their patience, support, and courage from the inception to the conclusion of my PhD journey? Only Allah can reward them, my words are insufficient. I am also grateful to the chairman and reviewer during my PhD proposal defence in persons of Dr. Azahari Ramli and Associate Professor Norashidah Hashim whose inputs have impacted the entire thesis positively. As well I'm grateful to Dr. Abdullahi Hassan G/Dutse and Dr. Mukhtar Shehu Aliyu for their assistance, May Allah reward them abundantly.

I am also indebted to acknowledge the administration of Federal College of Education (Technical) Bichi for my PhD sponsorship through a staff development grant of the Nigerian Tertiary Education Trust Fund (TETFUND). Many thanks also go to the participants of my survey in field who sacrificed their valuable time in responding to the research questionnaires. Lastly, but importantly I would also like to acknowledge the supports of my family; my beloved parents, my wife, my brothers, sisters, my friends and those at home and my senior colleagues who in many ways contributed immensely to my PhD journey. May Allah make this knowledge beneficial to me, my family, and humanity as a whole; may it be a source of reward in the hereafter.

Ameen.

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## LIST OF ABBREVIATIONS

ADBG	African Development Bank Group
CBN	Central Bank of Nigeria
DC	Dynamic Capability
FDI	Foreign Direct Investment
GCI	Global Competitiveness Index
GDP	Gross Domestic Product
ICRC	Infrastructure Concession Regulatory Commission
IF	Infrastructure Facility
LC	Learning Capability
MC	Marketing Capability
MFC	Manufacturing Capability
MSMEDF	Small and Medium Enterprises Development Fund
NBS	National Bureau of Statistics
OC	Organizational Capability
PPP	Public Private Partnership
RBT	Resource Base Theory
R&D	Research and Development
REC	Resource Exploitation Capability
SC	Strategic Capability
SMEDAN	Small and Medium Enterprises Development Agency of Nigeria
SMEs	Small and Medium Enterprises

# CHAPTER ONE

## INTRODUCTION

### 1.1 Background of the Study

The success of Small and Medium Enterprises has shown direct positive impact on the economic growth and development of both developed and developing countries (Mohammed et al. 2014). For many decades, SMEs have caught the attention of the world. This is due to the vital role SMEs play in sustaining economic development of many countries in the world (Eniola & Ektebang, 2014). SMEs contribute immensely to the improvement of economic growth and development, in providing stream engine for the establishment of wealth, employment generation, capacity building as well as development of entrepreneurial skills which hold vital positions in economy of the world, as their activities cover all areas of businesses such as manufacturing, services, wholesaling, mining, retailing and many others (Solomon, Urassa, & Allan 2016). Hence, SMEs have been recognized as an engine for economic development in many countries' economies, (Boachie, Mensah, & Acquah, 2015).

The role of SMEs in the economic development of the country is well established as the sector is the bedrock of entrepreneurship and innovation which is normally driven by individual creativity which leads to job creation, poverty reduction, wealth creation, income distribution and reduction in income disparity (Boachie, Mensah, & Acquah, 2015), SMEs in Nigeria are very important and contribute immensely to the growth of the economy particularly to the manufacturing sectors (O'Cass, Ngo & Siahtiri, 2015). In addition, SMEs have the potentials to provide stream engine for the establishment of Wealth, employment generation, economic development as well as development of

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## REFERENCES

- Abbeel, P., & Ng, A. Y. (2004, July). Apprenticeship learning via inverse reinforcement learning. In *Proceedings of the twenty-first international conference on Machine learning* (p. 1).
- Abdullahi, M. S., Abubakar, A., Aliyu, R. L., & Umar, M. B. (2015). Empirical Review on the Determinants Influencing Firm Performance in Developing Countries. *International Journal of Scientific and Research Publications*, 5(6), 1-10.
- Absar, N., Nimalathasan, B., & Mahmood, M. (2012). HRM-market performance relationship: evidence from Bangladeshi organizations. *South Asian Journal of Global Business Research*, 1(2), 238-255.
- Ács, Z. J., Autio, E., & Szerb, L. (2014). National systems of entrepreneurship: Measurement issues and policy implications. *Research Policy*, 43(3), 476-494.
- Adeyanju, O. D. (2012). An assessment of the impact of corporate social responsibility on Nigerian society: The examples of banking and communication industries. *Universal Journal of Marketing and Business Research*, 1(1), 17-43.
- Adler, P. JA Shenbar, A. (1990) Adapting Your Technological Base: The Organizational Challenge. *Sloan Management Review*, fall, 25-37.
- Afolabi, J. F., & Abereijo, I. O. (2016). Returnee Entrepreneurship and Occupational Health and Safety in Nigeria. *Diasporas and Transnational Entrepreneurship in Global Contexts*, 90.
- Afolabi, M. O. (2013). Growth effect of small and medium enterprises (SMEs) financing in Nigeria. *Journal of African Macroeconomics Review*, 3(1): 193, 199.
- Agwu, M. O., & Emeti, C. I. (2014). Issues, Challenges and Prospects of Small and Medium Scale Enterprises (SMEs) in Port-Harcourt City, Nigeria. *European Journal of Sustainable Development*, 3(1), 101.
- Ahmad, N. A., Ismail, N. W., & Nordin, N. (2015). The Impact of Infrastructure on Foreign Direct Investment in Malaysia. *International Journal of Management Excellence*, 5(1), 584-590.
- Ajayi, D. D. (2007). Recent trends and patterns in Nigeria's industrial development. *Africa Development*, 32(2).

- Akgul, A. K., Gozlu, S., & Tatoglu, E. (2015). Linking operations strategy, environmental dynamism and firm performance: Evidence from Turkish manufacturing companies. *Kybernetes*, 44(3), 406-422.
- Akindutire, I. O., Adegboyega, J. A., & Adigun, J. T. (2012). Etiological factors of stress and coping strategies among management staff of colleges of education in south west, Nigeria. *Journal of Emerging Trends in Educational Research and Policy Studies*, 3(1), 16.
- Aliyu, M. S., & Mahmood, R. (2014). The relationship between market orientation and business performance of Nigerian SMEs: The role of organizational culture. *International Journal of Business and Social Science*, 5(9).
- Al-Swidi, A. K., & Mahmood, R. (2012). Total quality management, entrepreneurial orientation and organizational performance: The role of organizational culture. *African Journal of Business Management*, 6(13), 4717.
- Amin, M. (2015). The effect of entrepreneurship orientation and learning orientation on SMEs' performance: an SEM-PLS approach. *Journal for International Business and Entrepreneurship Development*, 8(3), 215-230.
- Amin, M. B., Banos, O., Khan, W. A., Muhammad Bilal, H. S., Gong, J., Bui, D. M., ... & Chung, T. C. (2016). On curating multimodal sensory data for health and wellness platforms. *Sensors*, 16(7), 980.
- AMIT, R. S. P. (1993): "Strategic asset and organizational rents". *Strategic Management Journal*, 14. And sodium storage. *Angewandte Chemie International Edition*, 53(8), 2152-2156.
- Andersen, T. J., & Schroder, P. W. (2010). *Strategic risk management practice: how to deal effectively with major corporate exposures*. Cambridge University Press.
- Anderson, B. S., & Eshima, Y. (2012). A configurationally model of firm growth: opportunity recognition mode, entrepreneurial orientation, and intangible resource advantage among Japanese SMEs (interactive paper). *Frontiers of entrepreneurship research*, 32(17), 13.
- Anderson, J. E., & Van Wincoop, E. (2003). Gravity with gravitas: a solution to the border puzzle. *The American economic review*, 93(1), 170-192.
- Andrews, R., & Boyne, G. A. (2014). Task complexity, organization size, and administrative intensity: The case of UK universities. *Public Administration*, 92(3), 656-672.
- Anga, R. M. (2014). Determinants of Small and Medium Scale Enterprises in Nigeria.
- Anwar, S. M., Kumar, D., & AK, R. S. M. S. (2016) Inbound and outbound innovation in SMEs: role of market orientation and SME performance.

- Apulu, I., Latham, A., & Moreton, R. (2011). Factors affecting the effective utilization and adoption of sophisticated ICT solutions: Case studies of SMEs in Lagos, Nigeria. *Journal of Systems and Information Technology*, 13(2), 125-143.
- Aremu, M. A. & Adeyemi, S. L. (2011). Small and medium scale enterprises as a survival strategy for Employment generation in Nigeria. *Journal sustainable development* 4(1) 200-206
- Arham, A. F. (2014). Leadership and performance: The case of Malaysian SMEs in the services sector. *International Journal of Asian Social Science*, 4(3), 343355.
- Armstrong, J. S., & Overton, T. S. (1977). Estimating nonresponse bias in mail surveys. *Journal of marketing research*, 396-402.
- Arnold, T. J., Fang, E. E., & Palmatier, R. W. (2011). The effects of customer acquisition and retention orientations on a firm's radical and incremental innovation performance. *Journal of the Academy of Marketing Science*, 39(2), 234-251.
- Arthur, M. B., Hall, D. T., & Lawrence, B. S. (Eds.). (1989). *Handbook of career theory*. Cambridge University Press.
- Ashiq, M. N., Iqbal, M. J., Najam-ul-Haq, M., Gomez, P. H., & Qureshi, A. M. (2012). Synthesis, magnetic and dielectric properties of Er-Ni doped Srhexaferrite nanomaterial's for applications in High density recording media and microwave devices. *Journal of magnetism and magnetic materials*, 324(1), 15-19.
- Asika, N. (1991). Research methodology in the behavioral sciences. *Lagos: Longman Nigeria Plc*.
- Ates, A. and Bititci, U. (2011) change process: a key enabler for building resilient SMEs, *International Of production Research*, 49(18):5601-5816
- Ates, A. Garengo p., Cocca p. and Bititci, U. (2013). The development of SME managerial practice for Effective performance management, *Journal of small Business and Enterprises Development*, 20(1): 28-54
- Badr, N. G. (2016). Empowering IT Organizations' Capabilities of Emerging Technology Integration Through User Participation in Innovations Based on IT. In *Digitally Supported Innovation* (pp. 11-33). Springer International Publishing.
- Bahri, M., St-Pierre, J., & Sakka, O. (2011). Economic value added: a useful tool for SME performance management. *International Journal of Productivity and Performance Management*, 60(6), 603-621.



- Barlett, J. E., Kotrlik, J. W., & Higgins, C. C. (2001). Organizational research: Determining appropriate sample size in survey research. *Information technology, learning, and performance journal*, 19(1), 43.
- Barney, J. (1991). Firm resources and sustained competitive advantage. *Journal of management*, 17(1), 99-120.
- Barney, J. B., and William. S Hesterly, 2012, Strategic Management and Competitive Advantage.
- Barney, J. B. (1986). Strategic factor markets: Expectations, luck, and business strategy. *Management science*, 32(10), 1231-1241.
- Barney, J. B. (1997). *Gaining and sustaining competitive advantage* (pp. 134-175). Reading, MA: Addison-Wesley.
- Barney, J. B., & Clark, D. N. (2007). *Resource-based theory: Creating and sustaining competitive advantage*. Oxford University Press on Demand.
- Barney, J., Wright, M., & Ketchen, D. J. (2001). The resource-based view of the firm: Ten years after 1991. *Journal of management*, 27(6), 625-641.
- Baron, R. M., & Kenny, D. A. (1986). The moderator–mediator variable distinction in social psychological research: Conceptual, strategic, and statistical considerations. *Journal of personality and social psychology*, 51(6), 1173.
- Barroso, C., Carrion, G. C., & Roldan, J. L. (2010). Applying maximum likelihood and PLS on different sample sizes: studies on SERVQUAL model and employee behavior model. *Handbook of partial least squares*, 427-447.
- Benitez-Amado, J., & Walczuch, R. M. (2012). Information technology, the organizational capability of proactive corporate environmental strategy and firm performance: a resource-based analysis. *European Journal of Information Systems*, 21(6), 664-679.
- Benjamin, I., Ogunmola, A., Midat, J., & Ibrahim, S. (2012). Government Betrayal Root Cause of Violence–US Ambassador. *Leadership*, Friday, July, 6.
- Berchicci, L. (2013). Towards an open R&D system: Internal R&D investment, external knowledge acquisition and innovative performance. *Research Policy*, 1(42), 117-127.
- Berg, S. V., Pollitt, M. G., & Tsuji, M. (Eds.). (2002). *Private initiatives in infrastructure: Priorities, incentives, and performance* (Vol. 4). Edward Elgar Publishing.

- Bergkvist, L. (2015). Appropriate use of single-item measures is here to stay. *Marketing Letters*, 26(3), 245-255.
- Bhatisevi, V. (2010). The race of knowledge based economy a comparative study between Malaysia and Thailand, *International journal of Business and management*, 5(1) 114-122
- Birkinshaw, J., Nobel, R., & Ridderstråle, J. (2002). Knowledge as a contingency variable: do the characteristics of knowledge predict organization structure?. *Organization science*, 13(3), 274-289.
- Bisht, A. (2013). Analysis of Basic Infrastructure Facilities Available for Vegetable Production and Marketing: A Case of Nainital District of Uttarakhand. *International Journal of Trends in Economics Management & Technology (IJTEMT)*, 2(6).
- Bisht, A., Joshi, A., & Pant, H. (2013). Role of NGO's For Eradication of Rural Poverty through Women Empowerment (Case study Reference of MATREE Tonk District of Rajasthan). *International Journal of Trends in Economics Management & Technology (IJTEMT)*, 2(1).
- Blanton, R. G., Blanton, S. L., & Peksen, D. (2015). The impact of IMF and World Bank programs on labor rights. *Political Research Quarterly*, 68(2), 324-336.
- Boachie-Mensah, F., & Acquah, I. S. (2015). The effect of innovation types on the performance of small and medium-sized enterprises in the Sekondi-Takoradi Metropolis. *Archives of Business Research*, 3(3).
- Boachie-Mensah, F., & Acquah, I. S. (2015). The Effect of Innovation Types on the Performance of Small and Medium-Sized Enterprises in the Sekondi-Takoradi Metropolis. *Archives of Business Research*, 3(3).
- Bock, A. J., Opsahl, T., George, G., & Gann, D. M. (2012). The effects of culture and structure on strategic flexibility during business model innovation. *Journal of Management Studies*, 49(2), 279-305.
- Bose, T. K., Uddin, M. R., & Mondal, A. (2013). Impacts of electricity access to rural SMEs. *International Journal of Managing Value and Supply Chains*, 4(4), 17.
- Bouri, A., Breij, M., Diop, M., Kempner, R., Klinger, B., & Stevenson, K. (2011). Report on support to SMEs in developing countries through financial intermediaries. *Dalberg*, November.
- Bovens, M., Goodin, R. E., & Schliemann, T. (Eds.). (2014). *The Oxford handbook of public accountability*. OUP Oxford.

- Bowen, F. E., Rostami, M. and Steel, P. (2010) timing is everything: A meta-analysis of the Relationships between organizational performance and motivation, *Journal of Business Research*, 63 (11): 1179-1185
- Brant, J., & Lohse, S. (2013). Enhancing intellectual property management and appropriation by Innovative SMEs (450/1081). Retrieved from international chamber of commerce (ICC) website [File:///c:/ users/downloads/PIA SME ENGWEB%20\(3\) pdf](File:///c:/users/downloads/PIA%20SME%20ENGWEB%20(3).pdf)
- Braun, E., Kavaratzis, M., & Zenker, S. (2013). My city-my brand: the different roles of residents in place branding. *Journal of Place Man*
- Bravo-Ortega, C., & Marin, A. G. (2011). R&D and productivity: A two way avenue?. *World Development*, 39(7), 1090-1107.
- Bridoux, F., Smith, K. G., & Grimm, C. M. (2013). The management of resources temporal effects of different types of actions on performance. *Journal of Management*, 39(4), 928-957.
- Bush, T. (2008). *Leadership and management development in education*. Sage.
- Byrne, B. M., & Van de Vijver, F. J. (2010). Testing for measurement and structural equivalence in large-scale cross-cultural studies: Addressing the issue of nonequivalence. *International Journal of Testing*, 10(2), 107-132.
- Cadogan, J. W. (2012). International marketing, strategic orientations and business success: reflections on the path ahead. *International Marketing Review*, 29(4), 340-348.
- Calaantone, R. J., Cavusgil, S. T., & Zhao, Y. (2002). Learning orientation, firm innovation capability, and firm performance. *Industrial marketing management*, 31(6), 515-524.
- Camison, C., & Villar\_López, A. (2012). On how firms located in an industrial district profit from knowledge spill overs: Adoption of an organic structure and innovation capabilities. *British journal of management*, 23(3), 361-382.
- Camison, C., & Villar-López, A. (2014). Organizational innovation as an enabler of technological innovation capabilities and firm performance. *Journal of business research*, 67(1), 2891-2902.
- Cao, Q., Gedajlovic, E., & Zhang, H. (2009). Unpacking organizational ambidexterity: Dimensions, contingencies, and synergistic effects. *Organization Science*, 20(4), 781-796.
- Carnes, C. M., Chirico, F., Hitt, M. A., Huh, D. W., & Pisano, V. (2016). Resource Orchestration for Innovation: Structuring and Bundling Resources in Growth and Maturity-Stage Firms. *Long Range Planning*.

- Chang, Y. C., Chang, H. T., Chi, H. R., Chen, M. H., & Deng, L. L. (2012). How do established firms improve radical innovation performance? The organizational capabilities view. *Technovation*, 32(7), 441-451.
- Chen, J., Chen, Y., & Vanhaverbeke, W. (2011). The influence of scope, depth, and orientation of external technology sources on the innovative performance of Chinese firms. *Technovation*, 31(8), 362-373.
- Chesbrough, H. (2003). The logic of open innovation: managing intellectual property. *California Management Review*, 45(3), 33-58.
- Cheston, I., Badger, B., Mangles, T., & Sadler-Smith, E. (2001). Organizational learning style, competencies and learning systems in small, UK manufacturing firms. *International Journal of Operations & Production Management*, 21(11), 1417-1432.
- Chin, W. W. (1998). The partial least squares approach to structural equation modeling. *Modern methods for business research*, 295(2), 295-336.
- Chin, W. W., Henseler, J., Vinzi, V. E., & Wang, H. (2010). Handbook of Partial Least Squares: Concepts, Methods and Applications.
- Chin, W. W., Marcolin, B. L., & Newsted, P. R. (2003). A partial least squares latent variable modeling approach for measuring interaction effects: Results from a Monte Carlo simulation study and an electronic-mail emotion/adoption study. *Information systems research*, 14(2), 189-217.
- Chittoor, R., Aulakh, P. S., & Ray, S. (2015). Accumulative and assimilative learning, institutional infrastructure, and innovation orientation of developing economy firms. *Global Strategy Journal*, 5(2), 133-153.
- Chuang, S. H., & Lin, H. N. (2013). The roles of infrastructure capability and customer orientation in enhancing customer-information quality in CRM systems: Empirical evidence from Taiwan. *International Journal of Information Management*, 33(2), 271-281.
- Churchill Jr, G. A., & Peter, J. P. (1984). Research design effects on the reliability of rating scales: A meta-analysis. *Journal of marketing research*, 360-375.
- Clausen, T. H., Korneliussen, T., & Madsen, E. L. (2013). Modes of innovation, resources and their influence on product innovation: Empirical evidence from R&D active firms in Norway. *Technovation*, 33(6), 225-233.
- Coad, A., Daunfeldt, S. O., Hözl, W., Johansson, D., & Nightingale, P. (2014). Highgrowth firms: introduction to the special section. *Industrial and Corporate Change*, 23(1), 91-112.

- Cock, P. J., Fields, C. J., Goto, N., Heuer, M. L., & Rice, P. M. (2009). The Sanger FASTQ file format for sequences with quality scores, and the Solexa/Illumina FASTQ variants. *Nucleic acids research*, 38(6), 1767-1771.
- Cohen, A., & Vigoda, E. (2000). Do good citizens make good organizational citizens? An empirical examination of the relationship between general citizenship and organizational citizenship behavior in Israel. *Administration & Society*, 32(5), 596-624.
- Cohen, J. (1992). A power primer. *Psychological bulletin*, 112(1), 155.
- Cohen, J. (1992). Statistical power analysis. *Current directions in psychological science*, 1(3), 98-101.
- Cohen, N. J., & Squire, L. R. (1980). Preserved learning and retention of patternanalyzing skill in amnesia: Dissociation of knowing how and knowing that. *Science*, 210(4466), 207-210.
- Cohen, S. (1980). Aftereffects of stress on human performance and social behavior: a review of research and theory. *Psychological bulletin*, 88(1), 82.
- Conner, K. R. (1991). A historical comparison of resource-based theory and five schools of thought within industrial organization economics: do we have a new theory of the firm?. *Journal of management*, 17(1), 121-154.
- Cooper, R. G., & Klein Schmidt, E. J. (2011). *New products: The key factors in success*. Marketing Classics Press.
- Covin, J. G., & Miller, D. (2014). International entrepreneurial orientation: conceptual considerations, research themes, measurement issues, and future research directions. *Entrepreneurship Theory and Practice*, 38(1), 11-44.S
- Cowling, M., Bates, P., Jagger, N., & Murray, G. (2008). *Study of the impact of Enterprise Investment Scheme (EIS) and Venture Capital Trusts (VCT) on company performance*. HM Revenue and Customs.
- Crossan, M. M., & Apaydin, M. (2010). A multi\_dimensional framework of organizational innovation: A systematic review of the literature. *Journal of management studies*, 47(6), 1154-1191.
- Crowell, B. W., Bock, Y., & Melgar, D. (2012). Real\_time inversion of GPS data for finite fault modeling and rapid hazard assessment. *Geophysical Research Letters*, 39(9).
- Cui, G., & Luis, H. K. (2005). Order of entry and performance of multinational corporations in an emerging market: A contingent resource perspective. *Journal of International Marketing*, 13(4), 28-56.
- Dadfar, H., Dahlgaard, J. J., Brege, S., & Alamirhoor, A. (2013). Linkage between organizational innovation capability, product platform development and

- performance: The case of pharmaceutical small and medium enterprises in Iran. *Total Quality Management & Business Excellence*, 24(7-8), 819-834.
- Dahlander, L., & Gann, D. M. (2010). How open is innovation?. *Research policy*, 39(6), 699-709.
- De Toni, A. F., De Zan, G., & Battistella, C. (2016). Organizational capabilities for internal complexity: an exploration in the Coop stores. *Business Process Management Journal*, 22(1), 196-230.
- Demaki, G. O. (2012). Business Recovery Strategies in the Economic Crisis of Recession in Nigeria. *African Research Review*, 6(1), 27-38.
- Dess, G. G., Gupta, A., Hennart, J. F., & Hill, C. W. (1995). Conducting and integrating strategy research at the international, corporate, and business levels: Issues and directions. *Journal of Management*, 21(3), 357-393.
- Dijkstra, E. W., Feijen, W. H., & Van Gasteren, A. M. (1983). Derivation of a termination detection algorithm for distributed computations. *Information processing letters*, 16(5), 217-219.
- Dodgson, M. (1993). Organizational learning: a review of some literatures. *Organization studies*, 14(3), 375-394.
- Dollar, D., Hallward-Driemeier, M., & Mengistae, T. (2005). Investment climate and firm performance in developing economies. *Economic Development and Cultural Change*, 54(1), 1-31.
- Drnevich, P. L., & Kriauciunas, A. P. (2011). Clarifying the conditions and limits of the contributions of ordinary and dynamic capabilities to relative firm performance. *Strategic Management Journal*, 32(3), 254-279.
- Drnevich, P. L., & Kriauciunas, A. P. (2011). Clarifying the conditions and limits of the contributions of ordinary and dynamic capabilities to relative firm performance. *Strategic Management Journal*, 32(3), 254-279.
- Drucker, P. F., (1954). *The practice of Management*. Harper & Row publishers, Inc., New York.
- Duarte, P. A. O., & Raposo, M. L. B. (2010). A PLS model to study brand preference: An application to the mobile phone market. In *Handbook of partial least squares*. Springer Berlin Heidelberg.
- Dyer, J. H., & Singh, H. (1998). The relational view: Cooperative strategy and sources of interorganizational competitive advantage. *Academy of management review*, 23(4), 660-679.



- Ebiringa, O. T. (2011). Synthesis of literature on small and medium enterprises startup financing. *International Journal of Economic Research*, 2(1), 85-95.
- Eisenhardt, K. M., & Martin, J. A. (2000). Dynamic capabilities: what are they?. *Strategic management journal*, 21(10-11), 1105-1121.
- Elmore, P. B., & Beggs, D. L. (1975). Salience of concepts and commitment to extreme judgments in the response patterns of teachers. *Education*, 95(4).
- Eniola, A.A. &Ektebang, H. (2014). SME firms performance in Nigeria: Competitive and its impact. *International journal of Research studies in management*, 3(2), 75-86.
- Entrepreneurial leadership, capabilities and firm growth. *International Small Business Journal*, 33(1), 89-105. Yang, T., & Aldrich, H. E. (2014). Who's the boss? Explaining gender inequality in entrepreneurial teams. *American Sociological Review*, 0003122414524207.
- Esposito Vinzi, V., and G. Russolillo. "Partial least squares path modeling and regression." *Wiley interdisciplinary reviews: computational statistics*. New York: Wiley (2010).
- Falade, D. (2014, June 10). US rejection of Nigeria's oil: Time for diversification. *Tribune*. Retrieved from <http://www.tribune.com.ng/news/newseadlines/item/7533-us-rejection-of-nigeria-s-oil-time-for-diversification/7533-us-rejection-of-nigeria-s-oil-time-for-diversification>
- Falade, K. O., & Ogunwolu, O. S. (2014). Modelling of drying patterns of fresh and osmotically pretreated cooking banana and plantain slices. *Journal of food processing and preservation*, 38(1), 373-388.
- Fan, J., Han, F., & Liu, H. (2014). Challenges of big data analysis. *National science review*, 1(2), 293-314.
- Fan, X., Zheng, D., & Shi, M. (2016). How Does Land Development Promote China's Urban Economic Growth? The Mediating Effect of Public Infrastructure. *Sustainability*, 8(3), 279.-
- Fang, Y., Wade, M., Delios, A., & Beamish, P. W. (2013). An exploration of multinational enterprise knowledge resources and foreign subsidiary performance. *Journal of World Business*, 48(1), 30-38.
- Faul, F., Erdfelder, E., Lang, A. G., & Buchner, A. (2007). G\* Power 3: A flexible statistical power analysis program for the social, behavioral, and biomedical sciences. *Behavior research methods*, 39(2), 175-191.

- Forsman, H. (2011). Innovation capacity and innovation development in small enterprises. A comparison between the manufacturing and service sectors. *Research Policy*, 40(5), 739-750.
- Forsythe, S., Liu, C., Shannon, D., & Gardner, L. C. (2006). Development of a scale to measure the perceived benefits and risks of online shopping. *Journal of interactive marketing*, 20(2), 55-75.
- Friesike, S. Gassmann, O., & Krogh, G. (2012) profiting from innovation by managing intellectual property St. Gallen.
- Fry, L. W., & Slocum, J. W. (2008). Maximizing the triple bottom line through spiritual leadership. *Organizational dynamics*, 37(1), 86-96.
- Fu, L., Tang, K., Song, K., van Aken, P. A., Yu, Y., & Maier, J. (2014). Nitrogen doped porous carbon fibres as anode materials for sodium ion batteries with excellent rate performance. *Nanoscale*, 6(3), 1384-1389.
- Fulmer, J. (2009). What in the world is infrastructure? *PEI Infrastructure investor*, 1(4), 30-32.
- García-Morales, V. J., & et Leopoldo, M. M. J. B. Gutiérrez-Gutiérrez. 2012. Transformational Leadership Influence on Organizational Performance through Organizational Learning and Innovation». *Journal of Business Research*, 65(7), 1040-1050.
- Garcia-Morales, V. J., Llorens-Montes, F. J., & Verdú-Jover, A. J. (2006). Antecedents and consequences of organizational innovation and organizational learning in entrepreneurship. *Industrial Management & Data Systems*, 106(1), 21-42.
- Garengo, P., & Bernardi, G. (2007). Organizational capability in SMEs: Performance measurement as a key system in supporting company development. *International Journal of Productivity and Performance Management*, 56(5/6), 518-532.
- Gebauer, H., Worch, H., & Truffer, B. (2012). Absorptive capacity, learning processes and combinative capabilities as determinants of strategic innovation. *European Management Journal*, 30(1), 57-73.
- George, G., & Bock, A. J. (2011). The business model in practice and its implications for entrepreneurship research. *Entrepreneurship theory and practice*, 35(1), 83-111.



- Ghosh, M. (2012). Lean manufacturing performance in Indian manufacturing plants. *Journal of Manufacturing Technology Management*, 24(1), 113-122.
- Gillon, K., Brynjolfsson, E., Mithas, S., Griffin, J., & Gupta, M. (2012). Business analytics: Radical shift or incremental change?
- Gorondutse, A. H. (2014). *Effect of business social responsibility (BSR) on performance of SMEs in Nigeria* (Doctoral dissertation, Universiti Utara Malaysia).
- Gorondutse, A. H., & Hilman, H. (2013). An Examination of Business Social Responsibility (BSR) On the Local Environment: A Proposed Framework on the Relationship between BSR and Small and Medium Enterprises (SMEs) Performance. *Information Management and Business Review*, 5(2), 66.
- Gotz, O., Liehr-Gobbers, K., & Krafft, M. (2010). Evaluation of structural equation models using the partial least squares (PLS) approach. In *Handbook of partial least squares* (pp. 691-711). Springer Berlin Heidelberg
- Grant, R. M. (1991). The resource-based theory of competitive advantage: implications for strategy formulation. *California management review*, 33(3), 114-135.
- Green, S. B., Salkind, N. J., & Akey, T. M. (1997). Using SPSS for windows: Analysis and understanding data.
- Gruber, M., Heinemann, F., Brettel, M., & Hungeling, S. (2010). Configurations of resources and capabilities and their performance implications: an exploratory study on technology ventures. *Strategic Management Journal*, 31(12), 1337-1356.
- Guan, J., & Ma, N. (2003). Innovative capability and export performance of Chinese firms. *Technovation*, 23(9),
- Guceri, I. (2013). Tax incentives and R&D: an evaluation of the 2002 UK reform using micro data.
- Guckenheimer, J., & Holmes, P. J. (2013). *Nonlinear oscillations, dynamical systems, and bifurcations of vector fields* (Vol. 42). Springer Science & Business Media.
- Gunday, G., Ulusoy, G., Kilic, K., & Alpkan, L. (2011). Effects of innovation types on firm performance. *International Journal of production economics*, 133(2), 662-676.

- Hafeez, K., Zhang, Y., & Malek, N. (2002). Core competence for sustainable competitive advantage: A structured methodology for identifying core competence. *IEEE transactions on engineering management*, 49(1), 28-35.
- Hair Jr, J. F., & Lukas, B. (2014). *Marketing research* (Vol. 2). McGraw-Hill Education Australia.
- Hair, J. F. (2007). Research methods for business. Mahmood, R., & Hanafi, N. (2013). Entrepreneurial orientation and business performance of women-owned small and medium enterprises in Malaysia: Competitive advantage as a mediator. *International Journal of Business and Social Science*, 4(1).
- Hair, J. F. (2010). Black, WC, Babin, BJ, & Anderson, RE (2010). *Multivariate data analysis*, 7.
- Hair, J. F., Black, W. C., Babin, B. J., Anderson, R. E., & Tatham, R. L. (1998). *Multivariate data analysis* (Vol. 5, No. 3, pp. 207-219). Upper Saddle River, NJ: Prentice hall.
- Hair, J. F., Bush, R. P., & Ortinau, D. J. (2008). *Marketing research*. McGraw-Hill Higher Education.
- Hair, J. F., Ringle, C. M., & Sarstedt, M. (2011). PLS-SEM: Indeed a silver bullet. *Journal of Marketing theory and Practice*, 19(2), 139-152.
- Hair, J. F., Ringle, C. M., & Sarstedt, M. (2013). Partial least squares structural equation modeling: Rigorous applications, better results and higher acceptance.
- Hair, J. F., Sarstedt, M., Pieper, T. M., & Ringle, C. M. (2012). The use of partial least squares structural equation modeling in strategic management research: a review of past practices and recommendations for future applications. *Long range planning*, 45(5), 320-340.
- Hair, J. F., Sarstedt, M., Ringle, C. M., & Mena, J. A. (2012). An assessment of the use of partial least squares structural equation modeling in marketing research. *Journal of the academy of marketing science*, 40(3), 414-433.
- Hair, J. F., Sarstedt, M., Ringle, C. M., & Mena, J. A. (2012). An assessment of the use of partial least squares structural equation modeling in marketing research. *Journal of the academy of marketing science*, 40(3), 414-433.
- Haldenstein, H. (1996). A composite indicator of a firm's innovativeness. An empirical analysis based on survey data for Swiss manufacturing. *Research Policy*, 25(4), 633-645.
- Halim, H. A., Ahmad, N. H., Ramayah, T., & Hanifah, H. (2014). The Growth of Innovative Performance among SMEs: Leveraging on Organizational Culture and Innovative Human Capital. *Journal of Small Business and Entrepreneurship Development*, 2(1), 107-125.

- Hall, S., & Roelich, K. (2015). Local Electricity Supply: Opportunities, archetypes and outcomes: ibuild Report (Infrastructure Business models, valuation and Innovation for Local Delivery).
- Harris, K. J., & Bonn, M. A. (2000). Training techniques and tools: Evidence from the foodservice industry. *Journal of Hospitality & Tourism Research*, 24(3), 320-335.
- Harrison, J. S., & Wicks, A. C. (2013). Stakeholder theory, value, and firm performance. *Business ethics quarterly*, 23(01), 97-124.
- Hartmann, J., & Germain, R. (2015). Understanding the relationships of integration capabilities, ecological product design, and manufacturing performance. *Journal of Cleaner Production*, 92, 196-205.
- Hashi, I., & Stojcic, N. (2010). The impact of innovation activities on firm performance using a multi-stage model: Evidence from the Community Innovation Survey 4. *Research Policy*, Forthcoming.
- Hashim, A., Sabri, M. F. M., Malek, M. C., & Mustapha, N. H. (2015). The relationship between human resource management practices, servant leadership, organizational structure, with organizational commitment: The mediating role of organizational learning capability.
- Hassan, M. U. I. Shaukat, s., Nawaz, MS and Naz S. (2013) Effects of innovation types on firm performance: an empirical study on Pakistan's manufacturing sector. *Pak J Commer Sci. vol*, 7(2), 243-262.
- Haworth, C., Smith, S. M., & Parkinson, C. (2012). Social learning and social entrepreneurship education. *Academy of Management Learning & Education*, 11(3), 371-389.
- Hayduk, L. A., & Littvay, L. (2012). Should researchers use single indicators, best indicators, or multiple indicators in structural equation models?. *BMC medical research methodology*, 12(1), 159.
- Hayton, J. C. George., G., & Zahara, SA (2002). Cultural cluster: Methodology and findings. *Journal of World Business*, 26(4), 33-53.
- Helfat, C. E., & Peteraf, M. A. (2003). The dynamic resource-based view: Capability lifecycles. *Strategic management journal*, 24(10), 997-1010.

- Helfat, C. E., & Peteraf, M. A. (2015). Managerial cognitive capabilities and the microfoundations of dynamic capabilities. *Strategic Management Journal*, 36(6), 831-850.
- Henderson, R., & Cockburn, I. (1994). Measuring competence? Exploring firm effects in pharmaceutical research. *Strategic management journal*, 15(S1), 63-84.
- Henseler, J., Ringle, C. M., & Sinkovics, R. R. (2009). The use of partial least squares path modeling in international marketing. In *New challenges to international marketing* (pp. 277-319). Emerald Group Publishing Limited.
- Higgins, D., & Mirza, M. (2012). Considering Practice: a contemporary theoretical position towards social learning in the Small Firm. *Irish Journal of Management*, 31(2), 1.
- Hill, C. W., & Jones, G. R. (2013). *Strategic management theory*. SouthWestern/Cengage Learning.
- Hill, C. W., Jones, G. R., & Schilling, M. A. (2014). *Strategic management: theory: an integrated approach*. Cengage Learning.
- Homma, K. (2014). Japanese Commitment in the Mongolian Economy, Resources and Infrastructure Development. *Inner Asia*, 16(2), 336-355.
- Howorth, C., Smith, S. M., & Parkinson, C. (2012). Social learning and social entrepreneurship education. *Academy of Management Learning & Education*, 11(3), 371-389.
- Huang, Y. M., Hu, W., Rustandi, E., Chang, K., Yusuf\_Makagiansar, H., & Ryll, T. (2010). Maximizing productivity of CHO cell-based fed-batch culture using chemically defined media conditions and typical manufacturing equipment. *Biotechnology progress*, 26(5), 1400-1410.
- Huber, U. M., Bugmann, H. K., & Reasoner, M. A. (Eds.). (2006). *Global change and mountain regions: an overview of current knowledge* (Vol. 23). Springer Science & Business Media.
- Huck, S. W., & Comer, W. H. (2004). Reliability and validity. *Reading statistics and research*. Boston: Pearson Education, 75-98.
- Hughes, K. D., Jennings, J. E., Brush, C., Carter, S., & Welter, F. (2012). Extending women's entrepreneurship research in new directions. *Entrepreneurship Theory and Practice*, 36(3), 429-442.

- Hulland, J., & Richard Ivey School of Business. (1999). Use of partial least squares (PLS) in strategic management research: A review of four recent studies. *Strategic management journal*, 20(2), 195-204.
- Hurley, H. S., & Herda, G. M. (1998). *U.S. Patent No. 5,764,907*. Washington, DC: U.S. Patent and Trademark Office.
- Hurley, R. F., & Hult, G. T. M. (1998). Innovation, market orientation, and organizational learning: an integration and empirical examination. *The Journal of Marketing*, 42-54.
- Idar, R., & Mahmud, R. (2011) Entrepreneurial and Marketing orientation relationship to performance: The SME perspective. *Interdisciplinary Review of Economics and Management*, 1(2), 1-8
- Idris, F. (2011). Total Quality Management (TQM) and sustainable company performance: Examining the Relationship in Malaysian *International Journal of Business and Society*, 12(1), 31-52
- Idowu, A. (2013). Organizational Learning, Innovativeness and Financial Performance of Small and Medium Enterprises (SMEs) In Nigeria. *European Journal of Business and management*, 5(2), 179-186.
- Ilies, R., Fulmer, I. S., Spitzmuller, M., & Johnson, M. D. (2009). Personality and citizenship behavior: the mediating role of job satisfaction. *Journal of Applied Psychology*, 94(4), 945.
- Industrial innovation in Sub**
- Ittner, C. D., & Larcker, D. F. (2003). Coming up short on nonfinancial performance measurement. *Harvard business review*, 81(11), 88-95.
- IUCN–The World Conservation Union. (2007). *African elephant status report 2007: an update from the African elephant database* (No. 33). Iucn.
- Jacobides, M. G., Winter, S. G., & Kassberger, S. M. (2012). The dynamics of wealth, profit, and sustainable advantage. *Strategic Management Journal*, 33(12), 1384-1410.
- Jafari, M., & Rezaee, F. (2014). The effect of resource based view on sustainable capability advantage. *Management Science Letters*, 4(12), 2537-2554.
- Jalali, A., Jaafar, M., & Ramayah, T. (2014). Entrepreneurial orientation and performance: the interaction effect of customer capital. *World Journal of Entrepreneurship, Management and Sustainable Development*, 10(1), 48-68.
- Jiménez-Jiménez, D., & Sanz-Valle, R. (2011). Innovation, organizational learning, and performance. *Journal of business research*, 64(4), 408-417.

- Jun, P. A. N. G., Tat, K. H., & Siqing, P. E. N. G. (2009). Effects of advertising strategy on consumer-brand relationships: A brand love perspective. *Frontiers of Business Research in China*, 3(4), 599-620.
- Jung, C., Heo, J., Han, J., Her, N., Lee, S. J., Oh, J., & Yoon, Y. (2013). Hexavalent chromium removal by various adsorbents: powdered activated carbon, hitosan, and single/multi-walled carbon nanotubes. *Separation and Purification Technology*, 106, 63-71.
- Kafetzopoulos, D., & Psomas, E. (2015). The impact of innovation capability on the performance of manufacturing companies: The Greek case. *Journal of Manufacturing Technology Management*, 26(1), 104-130.
- Kaleka, A. (2012). Studying resource and capability effects on export venture performance. *Journal of World Business*, 47(1), 93-105.
- Kamyabi, Y., Barzegar, G., & Kohestani, A. (2013). The impact of corporate social responsibility on Iranian SME financial performance. *Journal of Social Issues & Humanities*, 1(5), 111-115. Anwar, S. M., Kumar, D., & AK, R. S. M. S.
- Kang, H. J., Gatling, A., & Kim, J. (2015). The impact of supervisory support on organizational commitment, career satisfaction, and turnover intention for hospitality frontline employees. *Journal of Human Resources in Hospitality & Tourism*, 14(1), 68-89.
- Khodabin, M., Maleknejad, K., Rostami, M., & Nouri, M. (2012). Numerical approach for solving stochastic Volterra–Fredholm integral equations by stochastic operational matrix. *Computers & Mathematics with Applications*, 64(6), 1903-1913.
- Kim, C., Song, J., & Nerkar, A. (2012). Learning and innovation: Exploitation and exploration trade-offs. *Journal of Business Research*, 65(8), 1189-1194.
- Kim, J. H. (2014). Totally laparoscopic right hepatectomy using lateral approach liver hanging maneuver. *대한내시경복강경외과학회 학술대회지*, 166-166.
- Kindstrom, D., Kowalkowski, C., & Sandberg, E. (2013). Enabling service innovation: A dynamic capabilities approach. *Journal of business research*, 66(8), 1063-1073.
- Kinyua, E., Ogollah, K., & Mburu, D. K. (2015). Effect of risk management strategies on project performance of small and medium information communication



- technology enterprises in Nairobi, Kenya. *International Journal of Economics, Commerce and Management*, 3(2), 1-30.
- Kitching, J., Hart, M., & Wilson, N. (2013). Burden or benefit? Regulation as a dynamic influence on small business performance. *International Small Business Journal*, 0266242613493454.
- Kleis, L., Chwelos, P., Ramirez, R. V., & Cockburn, I. (2012). Information technology and intangible output: The impact of IT investment on innovation productivity. *Information Systems Research*, 23(1), 42-59.
- Koryak, O., Mole, K. F., Lockett, A., Hayton, J. C., Ucbasaran, D., & Hodgkinson, G. P. (2015).
- Kozlenkova, I. V., Samaha, S. A., & Palmatier, R. W. (2014). Resource-based theory in marketing. *Journal of the Academy of Marketing Science*, 42(1), 1-21.
- Kraus, S., Rigtering, J. C., Hughes, M., & Hosman, V. (2012). Entrepreneurial orientation and the business performance of SMEs: a quantitative study from the Netherlands. *Review of Managerial Science*, 6(2), 161-182.
- Krejcie, R. V., & Morgan, D. W. (1970). Table for determining sample size from a given population. *Educational and Psychological Measurement*, 30(3), 607-610.
- Krosnick, J. A., & Fabrigar, L. R. (1997). Designing rating scales for effective measurement in surveys. *Survey measurement and process quality*, 141-164.
- Kumar, M., Talib, S. A., & Ramayah, T. (2013). *Business research methods*. Oxford Fajar/Oxford University Press.
- Kumar, N., & Saqib, M. (1996). Firm size, opportunities for adaptation and in-house R & D activity in developing countries: the case of Indian manufacturing. *Research Policy*, 25(5), 713-722..
- Kumar, P. R., & Varaiya, P. (2015). *Stochastic systems: Estimation, identification, and adaptive control* (Vol. 75). SIAM.
- Kumar, V. (2015). Evolution of marketing as a discipline: What has happened and what to look out for. *Journal of Marketing*, 79(1), 1-9.
- Lado, A. A., & Zhang, M. J. (1998). Expert systems, knowledge development and utilization, and sustained competitive advantage: A resource-based model. *Journal of management*, 24(4), 489-509.
- Larance, B., Degenhardt, L., Lintzeris, N., Bell, J., Winstock, A., Dietze, P., & Horyniak, D. (2011). Post-marketing surveillance of buprenorphine-naloxone in Australia: diversion, injection and adherence with supervised dosing. *Drug & Alcohol Dependence*, 118(2), 265-273.

- Laukkanen, T., Nagy, G., Hirvonen, S., Reijonen, H., & Pasanen, M. (2013). The effect of strategic orientations on business performance in SMEs: A multigroup analysis comparing Hungary and Finland. *International Marketing Review*, 30(6), 510-535.
- Laursen, K., & Salter, A. (2006). Open for innovation: the role of openness in explaining innovation performance among UK manufacturing firms. *Strategic management journal*, 27(2), 131-150.
- Lee, S., & Bozeman, B. (2005). The impact of research collaboration on scientific productivity. *Social studies of science*, 35(5), 673-702.
- Leonidou, L. C., Leonidou, C. N., Fotiadis, T. A., & Zeriti, A. (2013). Resources and capabilities as drivers of hotel environmental marketing strategy: Implications for competitive advantage and performance. *Tourism Management*, 35, 941-10.
- Li, M. (2013). Corruption, transparency and the resource curse. *International Journal of Social Science and Humanity*, 3(6), 572.
- Licker, P., & Olsen, B. (1992). Dimensions of expert system management. *Journal of Systems and Software*, 19(2), 171-183.
- Lin, H. E., McDonough, E. F., Lin, S. J., & Lin, C. Y. Y. (2013). Managing the exploitation/exploration paradox: The role of a learning capability and innovation ambidexterity. *Journal of Product Innovation Management*, 30(2), 262-278.
- Lin, I. F., & Schaeffer, N. C. (1995). Using survey participants to estimate the impact of nonparticipation. *Public Opinion Quarterly*, 59(2), 236-258.
- Lin, Y., & Wu, L. Y. (2014). Exploring the role of dynamic capabilities in firm performance under the resource-based view framework. *Journal of Business Research*, 67(3), 407-413.
- Linard, C., Gilbert, M., Snow, R. W., Noor, A. M., & Tatem, A. J. (2012). Population distribution, settlement patterns and accessibility across Africa in 2010. *PloS one*, 7(2), e31743.
- Liu, W., Wang, J., Kumar, S., & Chang, S. F. (2011). Hashing with graphs. In *Proceedings of the 28<sup>th</sup> international conference on machine learning (ICML-11)* (pp. 1-8).
- Loof, H., & Heshmati, A. (2002). Knowledge capital and performance heterogeneity:: A firm-level innovation study. *International Journal of Production Economics*, 76(1), 61-85.



- Lowik, S., Van Rossum, D., Kraaijenbrink, J., & Groen, A. (2012). Strong ties as sources of new knowledge: how small firms innovate through bridging capabilities. *Journal of Small Business Management*, 50(2), 239-256.
- Lu, C. S. (2003). Market segment evaluation and international distribution centers. *Transportation Research Part E: Logistics and Transportation Review*, 39(1), 49-60.
- Mahanalobis, P. C. (1965). Some concepts of sample surveys in demographic investigation.
- Mahmood, R., & Hanafi, N. (2013). Entrepreneurial orientation and business performance of women-owned small and medium enterprises in Malaysia: Competitive advantage as a mediator. *International Journal of Business and Social Science*, 4(1).
- Mahmood, R., & Wahid, R. A. (2012). Applying corporate entrepreneurship to bank performance in Malaysia. *Journal of Global Entrepreneurship*, 3(1), 68-82.
- Maier, A. M., Moultrie, J., & Clarkson, P. J. (2012). Assessing organizational capabilities: reviewing and guiding the development of maturity grids. *IEEE Transactions on Engineering Management*, 59(1), 138-159.
- Maiga, A. S., Nilsson, A., & Jacobs, F. A. (2013). Extent of managerial IT use, learning routines, and firm performance: A structural equation modeling of their relationship. *International Journal of Accounting Information Systems*, 14(4), 297-320.
- Makadok, R. (2001). Toward a synthesis of the resource-based and dynamic -capability views of rent creation. *Strategic management journal*, 22(5), 387-401.
- Mancusi, M. L., & Vezzulli, A. (2014). R&D and credit rationing in SMEs. *Economic Inquiry*, 52(3), 1153-1172.
- Mao, H., & Zhang, X. (2016). The International Business Strategy of Chinese MNCs: How Chinese large private MNCs develop their international business strategy to achieve competitive advantages in culturally different markets.
- Masip-Bruin, X., Yannuzzi, M., Domingo-Pascual, J., Fonte, A., Curado, M., Monteiro, E., & Aranda-Gutiérrez, P. (2006). Research challenges in QoS routing. *Computer communications*, 29(5), 563-581.
- Matsuno, K., Mentzer, J. T., & Özsomer, A. (2002). The effects of entrepreneurial proclivity and market orientation on business performance. *Journal of marketing*, 66(3), 18-32.

- Mattanah, J. F., Hancock, G. R., & Brand, B. L. (2004). Parental Attachment, Separation-Individuation, and College Student Adjustment: A Structural Equation Analysis of Mediation Effects. *Journal of Counseling Psychology*, 51(2), 213.
- Mazanai, M., & Fatoki, O. (2012). Access to finance in the SME sector: A South African perspective. *Asian Journal of Business Management*, 4(1), 58-67.
- McAuliffe, W. E., Rohman, M., Feldman, B., & Launer, E. K. (1985). The role of euphoric effects in the opiate addictions of heroin addicts, medical patients and impaired health professionals. *Journal of Drug Issues*, 15(2), 203-224.
- McGuinness, T., & Morgan, R. E. (2000). Strategy, dynamic capabilities and complex science: management rhetoric vs. reality. *Strategic Change*, 9(4), 209.
- Mei, M. Q., Laursen, K., & Atuahene-Gima, K. (2013). Learning to innovate: how does ambidextrous learning matter to radical and incremental innovation capabilities. In 35<sup>th</sup> DRUID Celebration Conference (pp. 17-19).
- Menon, A., & Varadarajan, P. R. (1992). A model of marketing knowledge use within firms. *The Journal of Marketing*, 53-71.
- Merel, P. R., Sexton, R. J., & Suzuki, A. (2009). Optimal Investment in Transportation infrastructure when middlemen have market power: a developing-country analysis. *American Journal of Agricultural Economics*, 91(2), 462-476.
- Merrilees, B., Rundle-Thiele, S., & Lye, A. (2011). Marketing capabilities: Antecedents and implications for B2B SME performance. *Industrial Marketing Management*, 40(3), 368-375.
- Middleton, V. T., Fyall, A., Morgan, M., & Ranchhod, A. (2009). *Marketing in travel and tourism*. Routledge.
- Mills, J., Platts, K., & Bourne, M. (2003). Applying resource-based theory: methods, outcomes and utility for managers. *International Journal of Operations & Production Management*, 23(2), 148-166.
- Mithas, S., Tafti, A. R., Bardhan, I., & Goh, J. M. (2012). Information technology and firm profitability: mechanisms and empirical evidence. *Mis Quarterly*, 36(1), 205-224.
- Mohammed Sani, A., Puspa Liza, G., Zainudin, A., Izah, M. T., Azman, N., & Ali, M. (2015). The effect of finance, infrastructure and training on the performance of small and medium scale enterprises (SMEs) in Nigeria.
- Mohammed U., D., (2012). An Evaluation of SMEs and its implications on Employment Generations. Allied Academics. Org, 2013.

- MOHAMMED, A. I. (2016). The Viability of Salam Finance in the Growth of Agricultural Production in Kano State, Nigeria. *Asian journal of multidisciplinary studies*, 4(12).
- Mohammed, B. J., Abbosh, A. M., Mustafa, S., & Ireland, D. (2014). Microwave system for head imaging. *IEEE Transactions on Instrumentation and Measurement*, 63(1), 117-123.
- Mohammed, U. D., & Obeleagu-Nzelibe, C. G. (2014, January). Entrepreneurial skills and profitability of Small and Medium Enterprises (SMEs): Resource acquisition strategies for new ventures in Nigeria. In *25<sup>th</sup> International Business Research Conference* (pp. 1-21).
- Moorman, C., & Slotegraaf, R. J. (1999). The contingency value of complementary capabilities in product development. *Journal of Marketing Research*, 239-257.
- Morgan, N. A. (2012). Marketing and business performance. *Journal of the Academy of Marketing Science*, 40(1), 102-119.
- Morgan, N. A., Slotegraaf, R. J., & Vorhies, D. W. (2009). Linking marketing capabilities with profit growth. *International Journal of Research in Marketing*, 26(4), 284-293.
- Morgan, N. A., Vorhies, D. W., & Mason, C. H. (2009). Market orientation, marketing capabilities, and firm performance. *Strategic Management Journal*, 30(8), 909-920.
- Muhammad, N., Mahteran, N., Jantan, M., & Md Taib, F. (2010). Moderating effect of information processing capacity to investment decision making and environmental scanning/Nik Mahteran Nik Muhammad, Muhammad Jantan, Fauziah Md Taib. *Business Management Quarterly Review*, 1(1), 9-22.
- Mukhtar, S. A. (2013). Small and Medium Enterprises in Nigeria: Problems and Prospects. *International Journal of Management Research and Reviews*, 3(12), 3857.
- Mundial, F. E. (2013). The global competitiveness report 2013-2014. In *Ginebra: World Economic Forum*.
- Murphy, G. B., Trailer, J. W., & Hill, R. C. (1996). Measuring performance in entrepreneurship research. *Journal of business research*, 36(1), 15-23.
- Musawa, M. S., & Wahab, E. (2012). The adoption of electronic data interchange (EDI) technology by Nigerian SMEs: A conceptual framework. *Journal of Business Management and Economics*, 3(2), 055-068.

- Naranjo-Valencia, J. C., Jiménez-Jiménez, D., & Sanz-Valle, R. (2016). Studying the links between organizational culture, innovation, and performance in Spanish companies. *Revista Latinoamericana de Psicología*, 48(1), 30-41.
- Nasehi, M., Amin-Yavari, S., Ebrahimi-Ghiri, M., Torabi-Nami, M., & Zarrindast, M. R. (2015). The dual effect of CA1 NMDA receptor modulation on ACPA-induced amnesia in step-down passive avoidance learning task. *European Neuropsychopharmacology*, 25(4), 557-565.
- Nath, P., Nachiappan, S., & Ramanathan, R. (2010). The impact of marketing capability, operations capability and diversification strategy on performance: A resource-based view. *Industrial Marketing Management*, 39(2), 317-329.
- National Population Commission. (2006). Population and housing census of the Federal Republic of Nigeria. *Priority tables, 1*.
- Neely, A., Adams, C., & Crowe, P. (2001). The performance prism in practice. *Measuring business excellence*, 5(2), 6-13.
- Newbert, S. L. (2008). Value, rareness, competitive advantage, and performance: a conceptual level empirical investigation of the resource based view of the firm. *Strategic management journal*, 29(7), 745-768.
- Ngo, L. V. and O'Cass, A. (2013) Innovation and business success: The mediating role of customer Participation, *Journal of Business research*, 66(8): 1134-1142
- Ngo, L. V., & O'Cass, A. (2009). Creating value offerings via operant resource-based capabilities. *Industrial Marketing Management*, 38(1), 45-59.
- Nkechi, A., Emeh Ikehukwu, E. J., & Okehukwu, U. F. (2012). Entrepreneurship development and employment generation in Nigeria: Problems and prospects. *Universal Journal of Education and General Studies*, 1(4), 088102.
- Nnanna, O. J., Alade, S. O., & Odoko, F. O. (Eds.). (2003). *Contemporary economic policy issues in Nigeria*. Central Bank of Nigeria.
- Noble, B. F. (2000). Strategic environmental assessment: what is it? & what makes it strategic? *Journal of Environmental Assessment Policy and Management*, 2(02), 203-224.
- Noble, C. H., & Mokwa, M. P. (1999). Implementing marketing strategies: Developing and testing a managerial theory. *The Journal of Marketing*, 57-73.
- North, K., Bergstermann, M., & Hardwig, T. (2016). Learning to Grow: A Methodology to Sustain Growth Capabilities of SMES. In *Competitive Strategies for Small and Medium Enterprises* (pp. 223-235). Springer International Publishing.

- O'Cass, A., & Siahtiri, V. (2013). In search of status through brands from Western and Asian origins: Examining the changing face of fashion clothing consumption in Chinese young adults. *Journal of Retailing and Consumer Services*, 20(6), 505-515.
- O'Cass, A., & Sok, P. (2012). Examining the role of within functional area resource–capability complementarity in achieving customer and product-based performance outcomes. *Journal of Strategic Marketing*, 20(4), 345-363.
- O'Cass, A., & Sok, P. (2013). The role of intellectual resources, product innovation capability, reputational resources and marketing capability combinations in SME growth. *International Small Business Journal*, 0266242613480225.
- O'Cass, A., Ngo, L. V., & Siahtiri, V. (2015). Marketing resource-capability complementarity and firm performance in B2B firms. *Journal of Business & Industrial Marketing*, 30(2), 194-207.
- O'Cass, A., Sok, P., (2012). Examining the role of within and between functional area resources capability Complementarity in achieving customer and product based performance outcomes. *Journal of Strategic marketing* 20, 345-363.
- O'Dwyer, M., Gilmore, A., & Carson, D. (2009). Innovative marketing in SMEs. *European Journal of Marketing*, 43(1/2), 46-61.
- O'Mahony, M., & Vecchi, M. (2009). R&D, knowledge spillovers and company productivity performance. *Research Policy*, 38(1), 35-44.
- O'Regan, N., Kluth, C., & Parnell, J. (2011). What drives firm performance: environment or capabilities? *Strategic Change*, 20(7\_8), 279-297.
- Oberhuber, W., & Gruber, A. (2010). Climatic influences on intra-annual stem radial increment of *Pinus sylvestris* (L.) exposed to drought. *Trees*, 24(5), 887-898.
- Obokoh, L. O., & Goldman, G. (2016). Infrastructure deficiency and the performance of small-and medium-sized enterprises in Nigeria's Liberalized Economy. *Acta Commercii*, 16(1), 1-10.
- Obokoh, L. O., & Goldman, G. (2016). Infrastructure deficiency and the performance of small-and medium-sized enterprises in Nigeria's Liberalized Economy. *Acta Commercii*, 16(1), 1-10.
- Obokoh, L. O., & Goldman, G. (2016). Infrastructure deficiency and the performance of small-and medium-sized enterprises in Nigeria's Liberalized Economy. *Acta Commercii*, 16(1), 1-10.
- Oke, A., Prajogo, D. I., & Jayaram, J. (2013). Strengthening the innovation chain: The role of internal innovation climate and strategic relationships with supply chain partners. *Journal of Supply Chain Management*, 49(4), 43-58.

- Okeyo, W. O., Gathungu, J., & K'Obonyo, P. (2014). The effect of business development services on performance of small and medium manufacturing Enterprises in Kenya. *International Journal of Business and Social Research*, 4(6), 12-26.
- Okoye, A. C. (2017). Entrepreneurship Education: A Panacea for Graduate Unemployment in Nigeria. *Online Journal of Arts, Management & Social Sciences*, 2(1).
- Okpara J. O. (2011). Factors Constraining the Growth and survival of SMEs in Nigeria: Implications for Poverty Alleviation. *Management Research Review*. Vol. 34 pp. 156-171.
- Okpara, G. C., & Odionye, J. C. (2012). Analysis of the relationship between exchange rate and stock prices: Evidence from Nigeria. *International journal of current research*, 4(3), 175-183.
- Okwu, A. T. (2015). Business Environment and the Potentials of Small and Medium Enterprises in Nigeria. *Journal of Accounting and Management*, (1), 33-49.
- Oluwatobi, S. O. (2015). Innovation-Driven Economic Development Model: A Way to Enable Competitiveness in Nigeria. In *Beyond the UN Global Compact: Institutions and Regulations* (pp. 197-218). Emerald Group Publishing Limited.
- Omoniyi, M. B. I. (2016). Unemployment and Underemployment as Indices of Nigerian Youths' Mental Health and the Place of Agricultural Revolution as a Panacea: Implications for Counselling. *Journal of Education and Practice*, 7(10), 80-88.
- Oyelaran-Oyeyinka, B., Laditan, G. O. A., & Esubiyi, A. O. (1996). Industrial innovation in Sub-Saharan Africa: the manufacturing sector in Nigeria. *Research Policy*, 25(7), 1081-1096.
- Oyewo, B., & Adyeye, G. (2018). Budgetary Participation and Managerial Performance in Public Sector Organisations: A Study from Nigeria. *Annals of Spiru Haret University, Economic Series*, 9(1), 47-76.
- Page, j., & Soderbom, M. (2012). Is small beautiful? Small enterprises, aid and employment in Africa (2012/94). Retrieved from UNU World institute for



development Economic Research website: [http://www. Wider. Unu. Edu/ publications/ working-papers/2012/en GB/WP 2012-094](http://www.Wider.Unu.Edu/publications/working-papers/2012/en_GB/WP_2012-094)

- Pallant, J. (2011). Multivariate analysis of variance. *SPSS survival manual. Crow's Nest: Allen & Unwin*, 20(11), 283-96.
- Park, B. J., Srivastava, M. K., & Gnyawali, D. R. (2014). Impact of coopetition in the alliance portfolio and coopetition experience on firm innovation. *Technology Analysis & Strategic Management*, 26(8), 893-907.
- Parnell, J. A. (2013). Uncertainty, generic strategy, strategic clarity, and performance of retail SMEs in Peru, Argentina, and the United States. *Journal of Small Business Management*, 51(2), 215-234.
- Pearl, D. K., & Fairley, D. (1985). Testing for the potential for nonresponse bias in sample surveys. *Public Opinion Quarterly*, 49(4), 553-560.
- Peloza, J., & Shang, J. (2011). How can corporate social responsibility activities create value for stakeholders? A systematic review. *Journal of the academy of Marketing Science*, 39(1), 117-135.
- Peng, C. Y. J., Long, H., & Abaci, S. (2012). Power analysis software for educational researchers. *The Journal of Experimental Education*, 80(2), 113-136.
- Peng, D. X., & Lai, F. (2012). Using partial least squares in operations management research: A practical guideline and summary of past research. *Journal of Operations Management*, 30(6), 467-480.
- Penrose, E. (1959). The theory of the firm. NY: John Wiley & Sons.
- Peteraf, M. A., & Barney, J. B. (2003). Unraveling the resource\_based tangle. *Managerial and decision economics*, 24(4), 309-323.
- Piaw, C. Y. (2012). Replacing paper-based testing with computer-based testing in assessment: Are we doing wrong?. *Procedia-Social and Behavioral Sciences*, 64, 655-664.
- Piening, E. P. (2013). Dynamic capabilities in public organizations: A literature review and research agenda. *Public Management Review*, 15(2), 209-245.
- Pimenta da Gama, A. (2011). An expanded model of marketing performance. *Marketing intelligence & planning*, 29(7), 643-661.
- Postma, T. J., & Zwart, P. S. (2015). Strategic Research and Performance of SMEs'. *Journal of small business strategy*, 12(2), 52-64.
- Postma, T. J., & Zwart, P. S. (2015). Strategic Research and Performance of SMEs'. *Journal of small business strategy*, 12(2), 52-64.

- Powell, T. C. (2001). Competitive advantage: logical and philosophical considerations. *Strategic management journal*, 22(9), 875-888.
- Pratono, A. H., & Mahmood, R. (2015). Mediating effect of marketing capability and reward philosophy in the relationship between entrepreneurial orientation and firm performance. *Journal of Global Entrepreneurship Research*, 5(1), 1.
- Preacher, K. J., & Hayes, A. F. (2004). SPSS and SAS procedures for estimating indirect effects in simple mediation models. *Behavior research methods, instruments, & computers*, 36(4), 717-731.
- Prieto, I. M., & Revilla, E. (2006). Assessing the impact of learning capability on business performance: empirical evidence from Spain. *Management Learning*, 37(4), 499-522.
- Prieto, I. M., & Revilla, E. (2006). Learning capability and business performance: a non-financial and financial assessment. *The Learning Organization*, 13(2), 166-185.
- Quinn, J. B. (1999). Strategic outsourcing: leveraging knowledge capabilities. *MIT Sloan Management Review*, 40(4), 9.
- Rahadi, D., & Tisnawati, E. S. (2015). Effect of Market Orientation on Competitive Strategy to Integrated Agro Industry in Indonesia. *International Journal of Management Sciences and Business Research*.
- Rahman, M., Beg, S., Sharma, G., Saini, S., A Rub, R., Aneja, P. & Kumar, V. (2016). Lipid-based vesicular Nan cargoes as Nano therapeutic targets for the effective management of rheumatoid arthritis. *Recent patents on anti-infective drug discovery*, 11(1), 3-15.
- Rahmandad, H., & Sterman, J. D. (2012). Reporting guidelines for simulation-based research in social sciences. *System Dynamics Review*, 28(4), 396-411.
- Raymond, L., Bergeron, F., & Croteau, A. M. (2013). Innovation capability and performance of manufacturing SMEs: The paradoxical effect of IT integration. *Journal of Organizational Computing and Electronic Commerce*, 23(3), 249-272.
- Raza Bilal, D. A., Khan, A. A., & Akoorie, M. E. M. (2016). Constraints to growth: a cross country analysis of Chinese, Indian and Pakistani SMEs. *Chinese Management Studies*, 10(2).
- Reijonen, H., Laukkanen, T., Komppula, R., & Tuominen, S. (2012). Are Growing SMEs More Market\_Oriented and Brand\_Oriented?. *Journal of Small Business Management*, 50(4), 699-716.



- Reinartz, W., Dellaert, B., Krafft, M., Kumar, V., & Varadarajan, R. (2011). Retailing innovations in a globalizing retail market environment. *Journal of Retailing*, 87, S53-S66.
- Ren, S., Eisingerich, A. B., & Tsai, H. T. (2015). How do marketing, research and development capabilities, and degree of internationalization synergistically affect the innovation performance of small and medium-sized enterprises (SMEs)? A panel data study of Chinese SMEs. *International Business Review*, 24(4), 642-651.
- Renner, S., Gotz, L., Prehn, S., & Glauben, T. (2014, August). The influence of infrastructure on regional wheat trade in Russia: A gravity model approach. In *Contributed poster presented at the XIV Congress of the European Association of Agricultural Economics, August* (pp. 26-29).
- Renner, S., Gotz, L., Prehn, S., & Glauben, T. (2014, August). The influence of infrastructure on regional wheat trade in Russia: A gravity model approach. In *Contributed poster presented at the XIV Congress of the European Association of Agricultural Economics, August* (pp. 26-29).
- Rerup, C., & Feldman, M. S. (2011). Routines as a source of change in organizational schemata: The role of trial-and-error learning. *Academy of Management Journal*, 54(3), 577-610.
- Ringim, K. J., Razalli, M. R., & Hasnan, N. (2012). Critical success factors for business process management for small and medium banks in Nigeria. *Business and Management Review*, 2(1), 83-91.
- Ringle, C. M., Sarstedt, M., & Straub, D. (2012). A critical look at the use of PLSSEM in MIS Quarterly.
- Ringle, C. M., Wende, S., & Becker, J. M. (2014). SmartPLS 3. Hamburg: SmartPLS. *Academy of Management Review*, 9, 419-445.
- Ritala, P., Olander, H., Husted, K., & Michailova, S. (2015, January). The Downsides of Uncontrolled Openness: External Knowledge Sharing Scope and Radical Innovation. In *Academy of Management Proceedings* (Vol. 2015, No. 1, p. 16514). Academy of Management.
- Robertson, R., Germanos, M. S., Li, C., Mitchell, G. S., Cherry, S. R., & Silva, M. D. (2009). Optical imaging of Cerenkov light generation from positron-emitting radiotracers. *Physics in medicine and biology*, 54(16), N355.
- Roelich, K., Knoeri, C., Steinberger, J. K., Varga, L., Blythe, P. T., Butler, D. & Purnell, P. (2015). Towards resource-efficient and service-oriented integrated infrastructure operation. *Technological Forecasting and Social Change*, 92, 40-52.
- Rosen, M. A., & Kishawy, H. A. (2012). Sustainable manufacturing and design: Concepts, practices and needs. *Sustainability*, 4(2), 154-174.

- Rosenbusch, N., Brinckmann, J., & Bausch, A. (2011). Is innovation always beneficial? A meta-analysis of the relationship between innovation and performance in SMEs. *Journal of business Venturing*, 26(4), 441-457.
- Rosli, M. M., & Sidek, S. (2013). The Impact of Innovation on the Performance of Small and Medium Manufacturing Enterprises:: Evidence from Malaysia. *Journal of Innovation Management in Small & Medium Enterprises*, 2013, 1.
- Rujirawanich, P., Addison, R., & Smallman, C. (2011). The effects of cultural factors on innovation in a Thai SME. *Management Research Review*, 34(12), 1264-1279.
- Salami, Y. K. (2009). The political economy of Nigeria and the continuing agenda of recolonization: A challenge for critical knowledge production. *Journal of Pan African Studies*, 3(3), 131-14
- Salkind, N. J. (1997). Exploring research (3 rd.). *Bartlett, JE, Kotrlik, JW, and Higgins, CC (2001). "Organizational Research: Determining Appropriate sample Size in Survey Research". Information Technology, Learning, and Performance Journal*, 19(1), 43-50.
- Sandberg, B., & Aarikka-Stenroos, L. (2014). What makes it so difficult? A systematic review on barriers to radical innovation. *Industrial Marketing Management*, 43(8), 1293-1305.
- Santamaria, L., Nieto, M. J., & Miles, I. (2012). Service innovation in manufacturing firms: Evidence from Spain. *Technovation*, 32(2), 144-155.
- Santamaria, L., Nieto, M. J., & Miles, I. (2012). Service innovation in manufacturing firms: Evidence from Spain. *Technovation*, 32(2), 144-155.
- Santos-Vijande, L. S. Trespalacios.(2012). How organizational learning affects a firm's flexibility, competitive strategy, and performance. *Journal of Business Research*, 65(8), 1079-1089.
- Sarjana, S. (2015). Dynamic Capabilities in Manufacturing: The Main Role of Manufacturing Capability, Knowledge Resources and Environmental Turbulence to Improve Enterprise Performance. *Journal of Entrepreneurship, Business and Economics*, 3(2).
- Saunila, M., & Ukko, J. (2013). Facilitating innovation capability through performance measurement: A study of Finnish SMEs. *Management Research Review*, 36(10), 991-1010.

- Schilke, O. (2014). On the contingent value of dynamic capabilities for competitive advantage: The nonlinear moderating effect of environmental dynamism. *Strategic Management Journal*, 35(2), 179-203.
- Schilke, O. (2014). Second-order dynamic capabilities: How do they matter?. *The Academy of Management Perspectives*, 28(4), 368-380.
- Schilke, O. (2014). Second-order dynamic capabilities: How do they matter?. *The academy of management perspectives*, 28(4), 368-380.
- Schneider, B., & Bowen, D. E. (2010). Winning the service game. In *Handbook of service science* (pp. 31-59). Springer US.
- Schroeder, R. G., Bates, K. A., & Junttila, M. A. (2002). A resource-based view of manufacturing strategy and the relationship to manufacturing performance. *Strategic management journal*, 23(2), 105-117.
- Schwab, K., & Sala-i-Martin, X. (2015). World Economic Forum's Global Competitiveness Report, 2014-2015. In Retrieved from: <http://reports.weforum.org/global-competitiveness-report-2014-2015/>. Switzerland: World Economic Forum.
- Schwartz, M. S., & Saia, D. (2012). Should Firms Go "Beyond Profits"? Milton Friedman versus Broad CSR. *Business and Society Review*, 117(1), 1-31.
- Sekaran, U., & Bougie, R. (2010). *Research Methods for Business: A Skill Building Approach*.
- Sekaran, U., & Bougie, R. (2010). Theoretical framework in theoretical framework and hypothesis development. *Research Methods for Business: A Skill Building Approach*, United Kingdom: Wiley, 80.
- Sekaran, U., & Bougie, R. (2010). *Research methods for business: A skill building approach*. Wiley.
- Sekaran, U., & Bougie, R. (2010). *Research methods for business: A skill building approach*. Wiley.
- Sekaran, U., & Bougie, R. (2013). *Research Methods for Business: A Skill-Building Approach* 6<sup>th</sup> Ed Jhon Wiley and Sons.
- Selomon, T. T., Selomon, T. T., Urassa, G. C., Urassa, G. C., Allan, I. S., & Allan, I. S. (2016). The effects of organizational capabilities on firm success: Evidence from Eritrean wood-and-metal-manufacturing firms. *African Journal of Economic and Management Studies*, 7(3), 314-327.

- Sen, F. K., & Egelhoff, W. G. (2000). Innovative capabilities of a firm and the use of technical alliances. *IEEE Transactions on Engineering Management*, 47(2), 174-183.
- Sen, F. K., & Egelhoff, W. G. (2000). Innovative capabilities of a firm and the use of technical alliances. *IEEE Transactions on Engineering Management*, 47(2), 174-183.
- Servaes, H., & Tamayo, A. (2013). How do industry peers respond to control threats? *Management Science*, 60(2), 380-399.
- Shang, Y. Q. (2011). The Evolution of Strategic Management Theory and Strategic risk thinking exploring [j]. *Techno economics & management research*, 3.
- Shanks, S., & Barnes, P. (2008). Econometric modelling of infrastructure and Australia's productivity. *Research Memorandum, Australia Productivity Commission*, (08-01).
- Shehu, A. M., & Mahmood, R. (2014). Market orientation, Knowledge management and Entrepreneurial orientation as predictors of SME performance: Data screening and Preliminary Analysis. In *Information and Knowledge Management* (Vol. 4, No. 7, pp. 12-23).
- Shehu, A. M., & Mahmood, R. (2015). The Moderating Role of Business Environment in the Relationship between Entrepreneurial Orientation and Business Performance among Nigerian SMEs. *Journal Pengurusan*, 43, 119-128.
- Shehu, S. A., Ojo, S. A., Hambolu, J. O., Ibrahim, N. D. G., Sonfada, M. L., Umar, A. A., ... & Mahmud, M. A. (2014). Global Journal of Animal Scientific Research. *Global Journal of Animal Scientific Research*, 2(3), 249-254.
- Sirmon, D. G., Gove, S., & Hitt, M. A. (2008). Resource management in dyadic competitive rivalry: The effects of resource bundling and deployment. *Academy of Management Journal*, 51(5), 919-935.
- Skinner, W. (1969). Manufacturing-missing link in corporate strategy.
- Slaper, T. F., Hart, N. R., Hall, T. J., & Thompson, M. F. (2011). The index of innovation: a new tool for regional analysis. *Economic Development Quarterly*, 25(1), 36-53.
- SMEDAN (2013). Survey Report on Micro, Small and Medium Enterprises (SMEs) in Nigeria. Abuja Small and Medium Enterprises Development Agency of Nigeria.
- SMEDAN (2013). Survey Report on Micro, Small and Medium Enterprises (SMEs) in Nigeria. Abuja Small and Medium Enterprises Development Agency of Nigeria.

- SMEDAN (2013). Survey Report on Micro, Small and Medium Enterprises (SMEs) in Nigeria. Abuja Small and Medium Enterprises Development Agency of Nigeria.
- Smith, K. T. (2012). *Primer of modern analysis: directions for knowing all dark things, Rhind papyrus, 1800 BC*. Springer Science & Business Media.
- Sok, P., & O'Cass, A. (2011). Achieving superior innovation-based performance outcomes in SMEs through innovation resource–capability complementarity. *Industrial Marketing Management*, 40(8), 1285-1293.
- Sok, P., & O'Cass, A. (2011). Achieving superior innovation-based performance outcomes in SMEs through innovation resource–capability complementarity. *Industrial Marketing Management*, 40(8), 1285-1293.
- Sok, P., O'Cass, A., & Sok, K. M. (2013). Achieving superior SME performance: Overarching role of marketing, innovation, and learning capabilities. *Australasian Marketing Journal (AMJ)*, 21(3), 161-167.
- Sok, P., O'Cass, A., & Sok, K. M. (2013). Achieving superior SME performance: Overarching role of marketing, innovation, and learning capabilities. *Australasian Marketing Journal (AMJ)*, 21(3), 161-167. O'Cass, A., & Sok, P. (2012). Examining the role of within functional area resource– capability complementarity in achieving customer and product-based performance outcomes. *Journal of Strategic Marketing*, 20(4), 345-363.
- Solomon, G. E., Hilal, S. K., Gold, A. P., & Carter, S. (2016). Natural history of acute hemiplegia of childhood. *Brain*, 93(1), 107-120.
- Srinivasu, B., & Rao, P. S. (2013). Infrastructure development and economic growth: Prospects and perspective. *Journal of Business Management and Social Sciences Research*, 2(1), 81-91.
- St-Pierre, J., & Audet, J. (2011). Intangible assets and performance: Analysis on manufacturing SMEs. *Journal of Intellectual Capital*, 12(2), 202-223.
- Suárez-Álvarez, L., Diaz-Martín, A. M., & Vázquez-Casielles, R. (2009). 19 Effect of complaint management on loyalty versus probability of ending relationship. *Advances in Tourism Destination Marketing: Managing Networks*, 244.
- Suliyanto, S., & Rahab, R. (2012). The role of market orientation and learning orientation in improving innovativeness and performance of small and medium enterprises. *Asian Social Science*, 8(1), 134.

- Sung, S. Y., & Choi, J. N. (2014). Do organizations spend wisely on employees? Effects of training and development investments on learning and innovation in organizations. *Journal of organizational behavior*, 35(3), 393-412.
- Swilling, M., & Annecke, E. (2012). Rethinking urbanism. *Just Transitions: Explorations of Sustainability in an Unfair World*, 107-136.
- Tam, S., & Gray, D. E. (2016). Organizational learning and the organizational life cycle: the differential aspects of an integrated relationship in SMEs. *European Journal of Training and Development*, 40(1), 2-20.
- Tam, S., & Gray, D. E. (2016). What Can We Learn from the Organizational Life Cycle Theory? A Conceptualization for the Practice of Workplace Learning. *Journal of Management Research*, 8(2), 18-30.
- Tang, O., & Musa, S. N. (2011). Identifying risk issues and research advancements in supply chain risk management. *International journal of production economics*, 133(1), 25-34.
- Teece, D. J. (2007). Explicating dynamic capabilities: the nature and microfoundations of (sustainable) enterprise performance. *Strategic management journal*, 28(13), 1319-1350.
- Teece, D. J. (2009). *Dynamic capabilities and strategic management: Organizing for innovation and growth*. Oxford University Press on Demand.
- Teece, D. J. (2014). The foundations of enterprise performance: Dynamic and ordinary capabilities in an (economic) theory of firms. *The Academy of Management Perspectives*, 28(4), 328-352.
- Teece, D. J., Pisano, G., & Shuen, A. (1997). Dynamic capabilities and strategic management. *Strategic management journal*, 509-533.
- Teece, D. J., Pisano, G., & Shuen, A. (1997). Dynamic capabilities and strategic management. *Strategic management journal*, 509-533.
- Tempelaar, M. P., & Van De Vrande, V. (2012). Dynamism, munificence, internal and external exploration-exploitation and their performance effects. In *annual meetings of the Academy of Management*.
- Temporal effects of different types of actions on performance. *Journal of Management*, 39(4), 928-957.
- Terouhid, S. A., Terouhid, S. A., Ries, R., & Ries, R. (2016). Organizational sustainability excellence of construction firms—a framework. *Journal of Modelling in Management*, 11(4), 911-931.



- Terouhid, S. A., Terouhid, S. A., Ries, R., & Ries, R. (2016). People capability: A strategic capability for enhancing organizational excellence of construction firms. *Journal of Modelling in Management*, 11(3), 811-841.
- The World Bank, (2013). Cambodia overview. Available from: <http://www.worldbank.org/en/country/> Overview (accessed 18, 03, 2013).
- Theyel, G., & Hofmann, K. H. (2015). Environmental practices and innovation performance of US small and medium-sized manufacturers. *Journal of Manufacturing Technology Management*, 26(3), 333-348.
- Theyel, G., & Hofmann, K. H. (2015). Environmental practices and innovation performance of US small and medium-sized manufacturers. *Journal of Manufacturing Technology Management*, 26(3), 333-348.
- Theyel, G., & Hofmann, K. H. (2015). Environmental practices and innovation performance of US small and medium-sized manufacturers. *Journal of Manufacturing Technology Management*, 26(3), 333-348.
- This Day Newspaper, July 20, 2012 NBS, 2012  
<http://www.wider.unu.edu/publication/>
- Tobora, O. O. (2014). Challenges faced by entrepreneurs and the performance of small and medium scale (SMEs) In Nigeria: An Intellectual capital issue. *International Letters of Social and Humanistic Sciences*, 42, 32-40.
- Trainor, K. J., Andzulis, J. M., Rapp, A., & Agnihotri, R. (2014). Social media technology usage and customer relationship performance: A capabilities-based examination of social CRM. *Journal of Business Research*, 67(6), 1201-1208.
- Trainor, K. J., Andzulis, J. M., Rapp, A., & Agnihotri, R. (2014). Social media technology usage and customer relationship performance: A capabilities-based examination of social CRM. *Journal of Business Research*, 67(6), 1201-1208.
- Turton, R., Bailie, R. C., Whiting, W. B., & Shaeiwitz, J. A. (2008). *Analysis, synthesis and design of chemical processes*. Pearson Education.
- Uddin, M. R., & Bose, T. K. (2013). Factors Affect the Success of SME in Bangladesh: Evidence from Khulna City. *Journal of Management and Sustainability*, 3(3), 166.
- Ukko, J., & Saunila, M. (2013). The role of reflection in facilitating and assessing innovativeness. *Journal of technology management & innovation*, 8(4), 170176.
- Uwizeyemungu, S., Poba-Nzaou, P., & St-Pierre, J. (2015). Assimilation patterns in the use of advanced manufacturing technologies in SMEs: exploring their

- effects on product innovation performance. *JISTEM-Journal of Information Systems and Technology Management*, 12(2), 271-288.
- Uwizeyemungu, S., Poba-Nzaou, P., & St-Pierre, J. (2015). Assimilation patterns in the use of advanced manufacturing technologies in SMEs: exploring their effects on product innovation performance. *JISTEM-Journal of Information Systems and Technology Management*, 12(2), 271-288.
- Uwizeyemungu, S., Poba-Nzaou, P., & St-Pierre, J. (2015). Assimilation patterns in the use of advanced manufacturing technologies in SMEs: exploring their effects on product innovation performance. *JISTEM-Journal of Information Systems and Technology Management*, 12(2), 271-288.
- Uzkurt, C., Kimzan, H. S., & Yilmaz, C. (2016). A Case Study of the Mediating Role of Innovation on the Relationship between Environmental Uncertainty, Market Orientation, and Firm Performance. *International Journal of Innovation and Technology Management*, 13(06), 1750003.
- Valaei, N., Rezaei, S., & Ismail, W. K. W. (2017). Examining learning strategies, creativity, and innovation at SMEs using fuzzy set Qualitative Comparative Analysis and PLS path modeling. *Journal of Business Research*, 70, 224-233.
- Van der Hoek, W., Hassan, M. U., Ensink, J. H., Feenstra, S., Raschid-Sally, L., Munir, S., & Matsuno, Y. (2002). *Urban wastewater: a valuable resource for agriculture: a case study from Haroonabad, Pakistan* (Vol. 63). IWMI.
- Van Der Put, M., & Singer, M. F. (2006). *Galois Theory of difference equations*. Springer.
- Van Hemert, P., Nijkamp, P., & Masurel, E. (2013). From innovation to commercialization through networks and agglomerations: analysis of sources of innovation, innovation capabilities and performance of Dutch SMEs. *The Annals of Regional Science*, 50(2), 425-452.
- Veidal, A., & Korneliussen, T. (2013). Entrepreneurial orientation and market orientation as antecedents of organizational innovation and performance. *International Journal of Entrepreneurship and Small Business* 25, 19(2), 234-250.
- Venkatraman, N. (1989). Strategic orientation of business enterprises: The construct, dimensionality, and measurement. *Management science*, 35(8), 942-962.
- Vinzi, V., Chin, W. W., Henseler, J., & Wang, H. (2010). Handbook of partial least squares.
- Vorhies, D. W., & Morgan, N. A. (2005). Benchmarking marketing capabilities for sustainable competitive advantage. *Journal of marketing*, 69(1), 80-94.



- Vorhies, D. W., Orr, L. M., & Bush, V. D. (2011). Improving customer-focused marketing capabilities and firm financial performance via marketing exploration and exploitation. *Journal of the Academy of Marketing Science*, 39(5), 736-756.
- Wagner Mainardes, E., Alves, H., & Raposo, M. (2011). Stakeholder theory: issues to resolve. *Management decision*, 49(2), 226-252.
- Wan Hooi, L., & Sing Ngui, K. (2014). Enhancing organizational performance of Malaysian SMEs: The role of HRM and organizational learning capability. *International Journal of Manpower*, 35(7), 973-995.
- Wan Hooi, L., & Sing Ngui, K. (2014). Enhancing organizational performance of Malaysian SMEs: the role of HRM and organizational learning capability. *International Journal of Manpower*, 35(7), 973-995.
- Wang, C. L., & Ahmed, P. K. (2007). Dynamic capabilities: A review and research agenda. *International journal of management reviews*, 9(1), 31-51.
- Wang, E. T., Hu, H. F., & Hu, P. J. H. (2013). Examining the role of information technology in cultivating firms' dynamic marketing capabilities. *Information & Management*, 50(6), 336-343.
- Watson, J. R., Hays, C. G., Raimondi, P. T., Mitarai, S., Dong, C., McWilliams, J. C., & Siegel, D. A. (2011). Currents connecting communities: nearshore community similarity and ocean circulation. *Ecology*, 92(6), 1193-1200.
- Weaver, R. D. (2008). Collaborative pull innovation: Origins and adoption in the new economy. *Agribusiness*, 24(3), 388-402.
- Wernerfelt, B. (1984). A resource-based view of the firm. *Strategic management journal*, 5(2), 171-180.
- Wetzels, M., Odekerken-Schroder, G., & Van Oppen, C. (2009). Using PLS path modeling for assessing hierarchical construct models: Guidelines and empirical illustration. *MIS quarterly*, 177-195.
- Wiles, M. A., Morgan, N. A., & Rego, L. L. (2012). The effect of brand acquisition and disposal on stock returns. *Journal of Marketing*, 76(1), 38-58.
- Wilson, M. J., & Wilson, M. L. (2013). A comparison of techniques for measuring sense making and learning within participant-generated summaries. *Journal of the Association for Information Science and Technology*, 64(2), 291-306.
- Wojcik, V. A., Frankie, G. W., Thorp, R. W., & Hernandez, J. L. (2008). Seasonality in bees and their floral resource plants at a constructed urban bee habitat in Berkeley, California. *Journal of the Kansas Entomological Society*, 81(1), 15-28.

- Woldesenbet, K., Ram, M., & Jones, T. (2012). Supplying large firms: The role of entrepreneurial and dynamic capabilities in small businesses. *International Small Business Journal*, 30(5), 493-512.
- Working-papers/2012/en\_GB/wp 2012-094
- Wright, P. M., Dunford, B. B., & Snell, S. A. (2001). Human resources and the resource based view of the firm. *Journal of management*, 27(6), 701-721.
- Wright, P. M., Smart, D. L., & McMahan, G. C. (1995). Matches between human resources and strategy among NCAA basketball teams. *Academy of Management journal*, 38(4), 1052-1074.
- Xie, C., Tinker, R., Tinker, B., Pallant, A., Damelin, D., & Berenfeld, B. (2011). Computational experiments for science education. *Science*, 332(6037), 15161517.
- Xiong, G., & Bharadwaj, S. (2013). Asymmetric roles of advertising and marketing capability in financial returns to news: Turning bad into good and good into great. *Journal of Marketing Research*, 50(6), 706-724.
- Xiong, G., & Bharadwaj, S. (2013, November). Asymmetric roles of advertising and marketing capability in financial returns to news: Turning bad into good and good into great. American Marketing Association.
- Yam, R. C., Lo, W., Tang, E. P., & Lau, A. K. (2011). Analysis of sources of innovation, technological innovation capabilities, and performance: An empirical study of Hong Kong manufacturing industries. *Research policy*, 40(3), 391-402.
- Yam, R. C., Lo, W., Tang, E. P., & Lau, A. K. (2011). Analysis of sources of innovation, technological innovation capabilities, and performance: An empirical study of Hong Kong manufacturing industries. *Research policy*, 40(3), 391-402.
- Yanadori, Y., & Cui, V. (2013). Creating incentives for innovation? The relationship between pay dispersion in R&D groups and firm innovation performance. *Strategic Management Journal*, 34(12), 1502-1511.
- Yang, J., Lee, S. H., Goddard, M. E., & Visscher, P. M. (2011). GCTA: a tool for genome-wide complex trait analysis. *The American Journal of Human Genetics*, 88(1), 76-82.
- Yearbook, A. S. (2013). African Development Bank Group.
- You, J., Yang, Y. M., Hong, Z., Song, T. B., Meng, L., Liu, Y., & Yang, Y. (2014). Moisture assisted perovskite film growth for high performance solar cells. *Applied Physics Letters*, 105(18), 183902.

- Yu, C., & Smith, L. B. (2012). Embodied attention and word learning by toddlers. *Cognition*, 125(2), 244-262.
- Zawislak, P. A. A., Alves, A. C., Gamarra, J. E. T., Barbieux, D., & Reichert, F. M. (2011). Innovation capabilities of the firm: The Brazilian experience. In 9<sup>th</sup> *Globelics International Conference (GLOBELICS)*.
- Zawislak, P. A., Cherubini Alves, A., Tello-Gamarra, J., Barbieux, D., & Reichert, F. M. (2012). Innovation capability: from technology development to transaction capability. *Journal of technology management & innovation*, 7(2), 14-27.
- Zawislak, P. A., Cherubini Alves, A., Tello-Gamarra, J., Barbieux, D., & Reichert, F. M. (2012). Innovation capability: from technology development to transaction capability. *Journal of technology management & innovation*, 7(2), 14-27.
- Zehir, C., Köle, M., & Yıldız, H. (2015). The mediating role of innovation capability on market orientation and export performance: An implementation on SMEs in Turkey. *Procedia-Social and Behavioral Sciences*, 207, 700-708.
- Zehir, C., Köle, M., & Yıldız, H. (2015). The mediating role of innovation capability on market orientation and export performance: An implementation on SMEs in Turkey. *Procedia-Social and Behavioral Sciences*, 207, 700-708.
- Zehir, C., Köle, M., & Yıldız, H. (2015). The mediating role of innovation capability on market orientation and export performance: An implementation on SMEs in Turkey. *Procedia-Social and Behavioral Sciences*, 207, 700-708.
- Zhou, D., Huang, J., & Schölkopf, B. (2005, August). Learning from labeled and unlabeled data on a directed graph. In *Proceedings of the 22<sup>nd</sup> international conference on Machine learning* (pp. 1036-1043). ACM.
- Zhou, K. Z., Yim, C. K., & Tse, D. K. (2005). The effects of strategic orientations on technology-and market-based breakthrough innovations. *Journal of marketing*, 69(2), 42-60.
- Zhu, C., Mu, X., van Aken, P. A., Yu, Y., & Maier, J. (2014). Single\_layered ultrasmall nanoplates of MoS2 embedded in carbon nanofibers with excellent electrochemical performance for lithium
- Zhu, F., Gujar, H., Gordon, J. R., Haynes, K. F., Potter, M. F., & Palli, S. R. (2013). Bed bugs evolved unique adaptive strategy to resist pyrethroid insecticides. *Scientific reports*, 3.
- Zhu, Q., Sarkis, J., & Lai, K. H. (2013). Institutional-based antecedents and performance outcomes of internal and external green supply chain management practices. *Journal of Purchasing and Supply Management*, 19(2), 106-117.
- Zikmund, W. G., Babin, B. J., & Carr, J. C. Dan Griffin, M. (2010). *Business research methods*.

- Zollo, M., & winter, S. G. (2002). Deliberate learning and the evolution of dynamic capabilities. *Organization science*, 13(3), 339-351.
- Zyoud, S. H., Al-Jabi, S. W., Sweileh, W. M., & Awang, R. (2014). A bibliometric analysis of research productivity of Malaysian publications in leading toxicology journals during a 10-year period (2003–2012). *Human & Experimental Toxicology*, 0960327113514101.



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## Appendix A

### Research Questionnaire



**Research Title:** The moderating role of infrastructure facility on the relationship between organizational capability and performance of manufacturing SMEs in Nigeria.

Dear Sir/Madam

I am a PhD (Entrepreneurship) research student at the School of Business Management, College of Business. Currently, I am conducting a research on the topic as mentioned above. Attached here with, a self-explanatory questions that will take a little much of your time to answer. Your kind corporation, participation and response to this survey questionnaire is highly appreciated and all data will be kept confidential for research purpose only. Please feel free and answer all questions honestly and objectively as possible, as this will contribute towards the achievement of the purpose of this study.

Please do not hesitate to contact the researcher for any enquiry or clarification related to the questionnaire.

Thank you.

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SECTION A  
DEMOGRAPHICS

Please tick (✓) in appropriate box.

1	Please indicate your educational level			
	<input type="checkbox"/> Secondary School Certificate	<input type="checkbox"/> Master Degree		
	<input type="checkbox"/> Diploma	<input type="checkbox"/> PhD		
	<input type="checkbox"/> BSc/HND	<input type="checkbox"/> Others (specify)		
2	Your job position in the enterprise			
	<input type="checkbox"/> Owner	<input type="checkbox"/> Manager	<input type="checkbox"/> Owner/manager	
3	How long have you been in business			
	<input type="checkbox"/> < 1 year	<input type="checkbox"/> 6-10 years	<input type="checkbox"/> 10 years-above	
	<input type="checkbox"/> 1-5 years			
4	Number of employees in your enterprise			
	<input type="checkbox"/> 10 – 49	<input type="checkbox"/> 50-199		
5	Total assets of your enterprises (million Naira) excluding land and building			
	<input type="checkbox"/> N5- 50	<input type="checkbox"/> N50 -500		

SECTION B

Please circle accordingly from 1 to 5 that matches your view or level of agreement in each question.

*1 = strongly disagree; 2 = Disagree; 3 = Neutral; 4 = Agree; 5 = strongly agree.*

1.	Our firm frequently tries out new ideas	1	2	3	4	5
2.	Our firm seeks out new ways to do things	1	2	3	4	5
3	Our firm is creative in its methods of operation	1	2	3	4	5
4	Our firm is often the first to market with new products and services	1	2	3	4	5
5	Innovation in our organization is perceived as too risky and is restricted	1	2	3	4	5
6	New product production in our firm has increased over the last 5 years.	1	2	3	4	5

## SECTION C

Please circle accordingly from 1 to 5 that matches your view or level of agreement in each question.

*1 = strongly disagree; 2 = Disagree; 3 = Neutral; 4 = Agree; 5 = strongly agree.*

1.	Long-term customer relationship for understanding diverse customer requirements.	1	2	3	4	5
2.	Understanding sub-divided market.	1	2	3	4	5
3	Monitoring the situation of market	1	2	3	4	5
4	Selecting and testing innovation ideas, product concept, product prototypes and customer preference according to customer requirements.	1	2	3	4	5
5	Controlling distribution network.	1	2	3	4	5
6	After service and technological assistance.	1	2	3	4	5
7	Reliable deliver time.	1	2	3	4	5
8	Improving brand name	1	2	3	4	5
9	Shorting the time from trial-manufacturing to commercializing.	1	2	3	4	5

## SECTION D

Please circle accordingly from 1 to 5 that matches your view or level of agreement in each question.

*1 = strongly disagree; 2 = Disagree; 3 = Neutral; 4 = Agree; 5 = strongly agree.*

1.	Support from top management	1	2	3	4	5
2.	Understanding technological goals of top management	1	2	3	4	5
3	Connection between technological strategy and business strategy	1	2	3	4	5
4	Advanced decision system	1	2	3	4	5
5	Entrepreneur interest on innovation	1	2	3	4	5
6	Enduring risk and accepting puzzle	1	2	3	4	5
7	Comprehending competition position	1	2	3	4	5



8	Knowing industry's technological development trend	1	2	3	4	5
9	Realizing foreign competitors	1	2	3	4	5
10	Adjusting innovation strategy accordingly	1	2	3	4	5
11	Understanding various influence of exterior factors	1	2	3	4	5
12	Emphasizing values of knowledge	1	2	3	4	5

## SECTION E

Please circle accordingly from 1 to 5 that matches your view or level of agreement in each question.

*1 = strongly disagree; 2 = Disagree; 3 = Neutral; 4 = Agree; 5 = strongly agree.*

1.	Systematically monitoring technology development trends	1	2	3	4	5
2	Reengineering ability	1	2	3	4	5
3	Assimilating and absorbing ability	1	2	3	4	5
4	Re-innovation ability facing international market based on mainland using	1	2	3	4	5
5	Learning from past experiences and failings	1	2	3	4	5
6	Transforming the acknowledge learned from internal/external into R & D guidelines	1	2	3	4	5
7	Cultivating learning consciousness and investing on learning	1	2	3	4	5

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## SECTION F

Please circle accordingly from 1 to 5 that matches your view or level of agreement in each question.

*1 = Very poor; 2 = Poor; 3 = Adequate; 4 = Good; 5 = Very good.*

1.	Communication system	1	2	3	4	5
2.	Transportation system	1	2	3	4	5
3.	Road network	1	2	3	4	5
4.	Power supply	1	2	3	4	5
5.	Steady water supply	1	2	3	4	5
6.	Waste management system	1	2	3	4	5



## SECTION G

Please circle accordingly from 1 to 5 that matches your view or level of agreement in each question.

1 = *strongly disagree*; 2 = *Disagree*; 3 = *Neutral*; 4 = *Agree*; 5 = *strongly agree*.

1.	Over the past 3 years, our products reach a wider market coverage.	1	2	3	4	5
2.	Over the past 3 years, our enterprise's sales volume has increased.	1	2	3	4	5
3	Over the past three years, our enterprise's profit has decreased.	1	2	3	4	5
4	Over the past three years, the level of complaints from our customers have decreased.	1	2	3	4	5
5	We have witness a steady increase in the number of our employees over the past three years.	1	2	3	4	5
6	Our customer base has increased steadily over the past three years	1	2	3	4	5
7	Our productivity over the past three years has been satisfactory.	1	2	3	4	5
8	Profit growth in our enterprise can positively be matched up to our competitors.	1	2	3	4	5
9	Our enterprise's return on investment (ROI) can positively be matched up to our competitors.	1	2	3	4	5
10	Sales growth of our enterprise can be positively measured up to that of our major competitors.	1	2	3	4	5
11	Return on sales in our enterprise is very much satisfactory.	1	2	3	4	5
12	Our employees' morale can positively be measured up to that of our competitors.	1	2	3	4	5

Thank you for your co-operation.

## Appendix B

### Request for Content Validity of Questionnaire

1/28/2017

Gmail - Request for contents validity of questionnaire

Balarabe Salisu <balarabesalisu3@gmail.com>

#### Request for contents validity of questionnaire

Abdu Ibrahim Dawakili <goldenvoiceconcept@hotmail.com>  
To: Balarabe Salisu <balarabesalisu3@gmail.com>

Sat, Jan 28, 2017 at 5:36

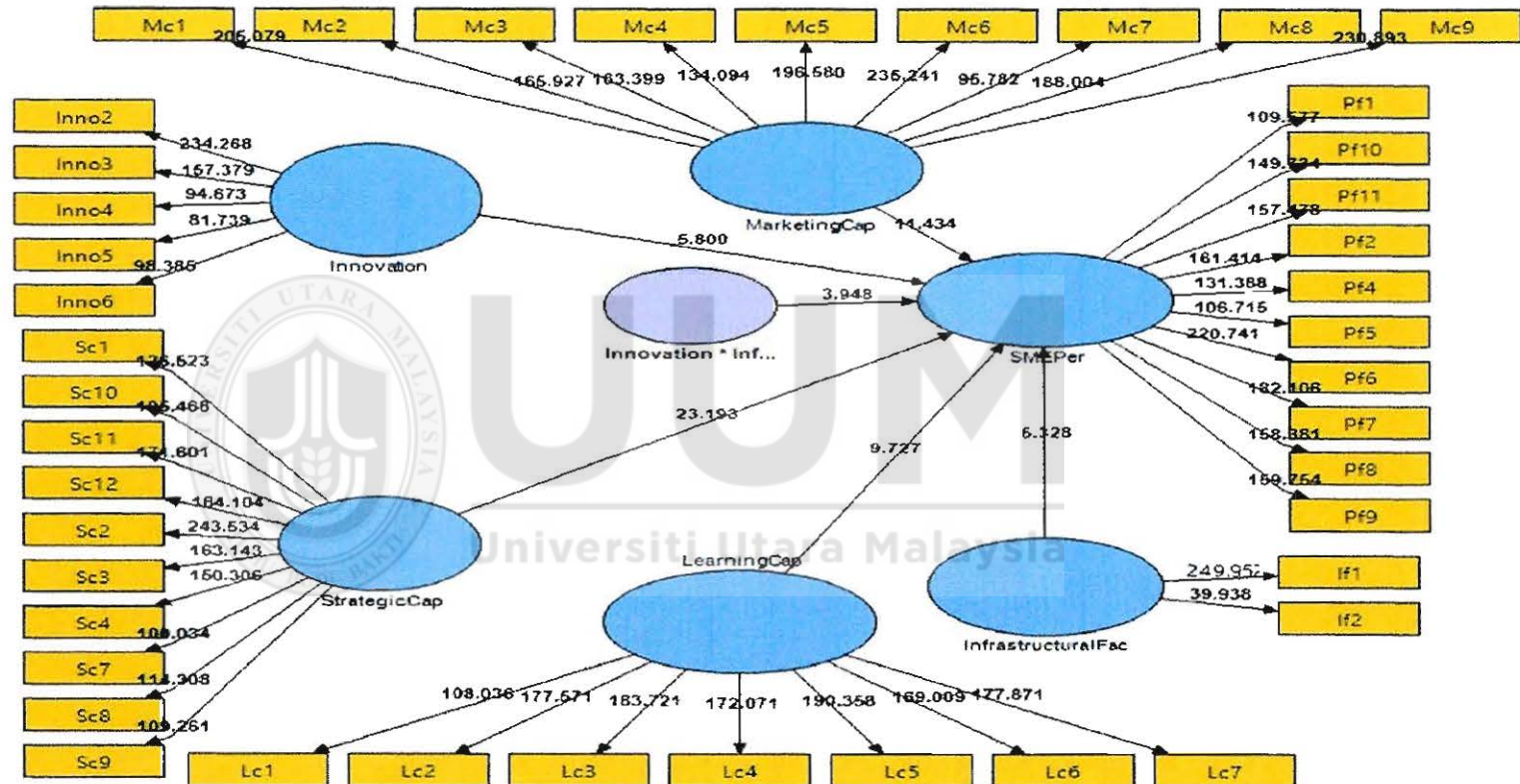
Sorry for late reply. I went through the document and found it to be OK you can go ahead with the format.  
Thanks  
ABDU Ibrahim Danwakili

From: Balarabe Salisu < >  
Sent: Monday, January 23, 2017 9:17:35 AM  
To:  
Subject: Request for contents validity of questionnaire

Please find attached my questionnaire for contents validity. Being an industrialist for over 30 years in the manufacturing in Nigeria, your experience is needed in this study for validating the questions in this questionnaire which will be used for academic purpose.  
Thanks. Balarabe Salisu (900653)  
University Utara Malaysia (UUM)

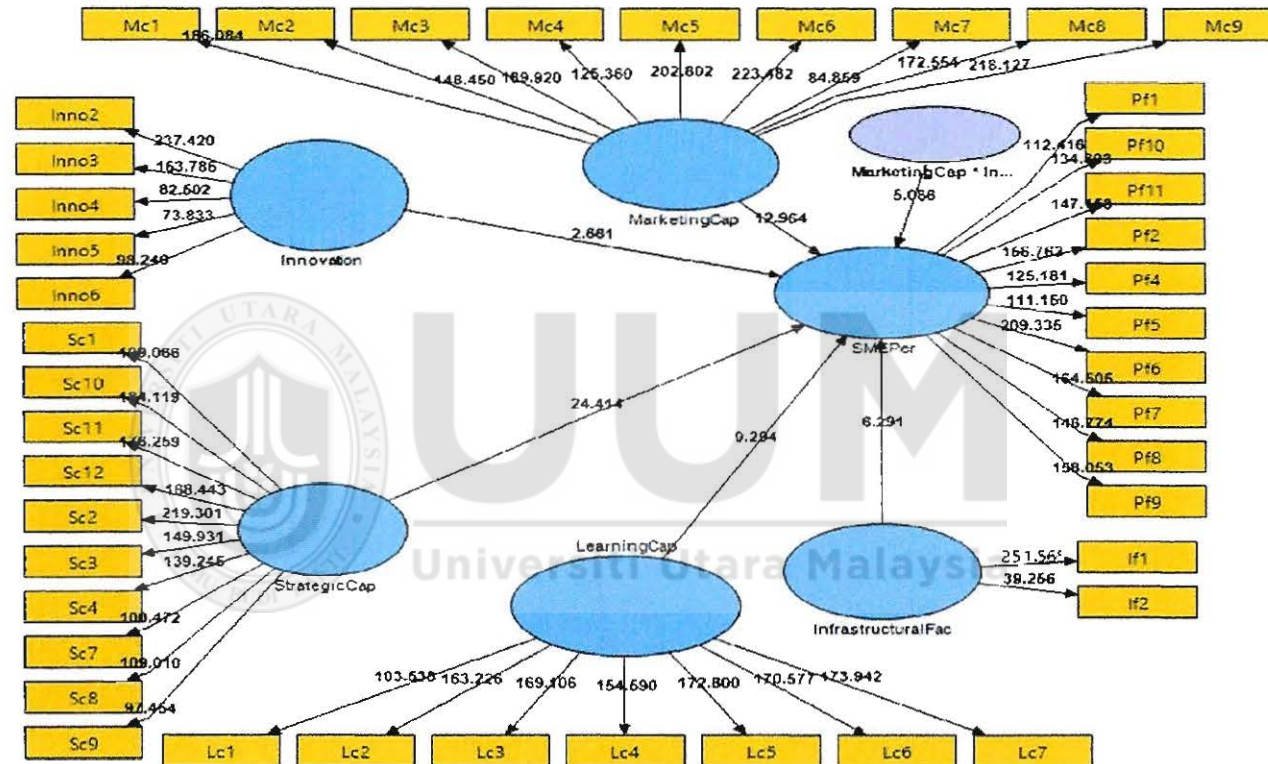
## Appendix C

### Moderating effect of IF on the relationship between Inno Cap and performance of manufacturing SMEs



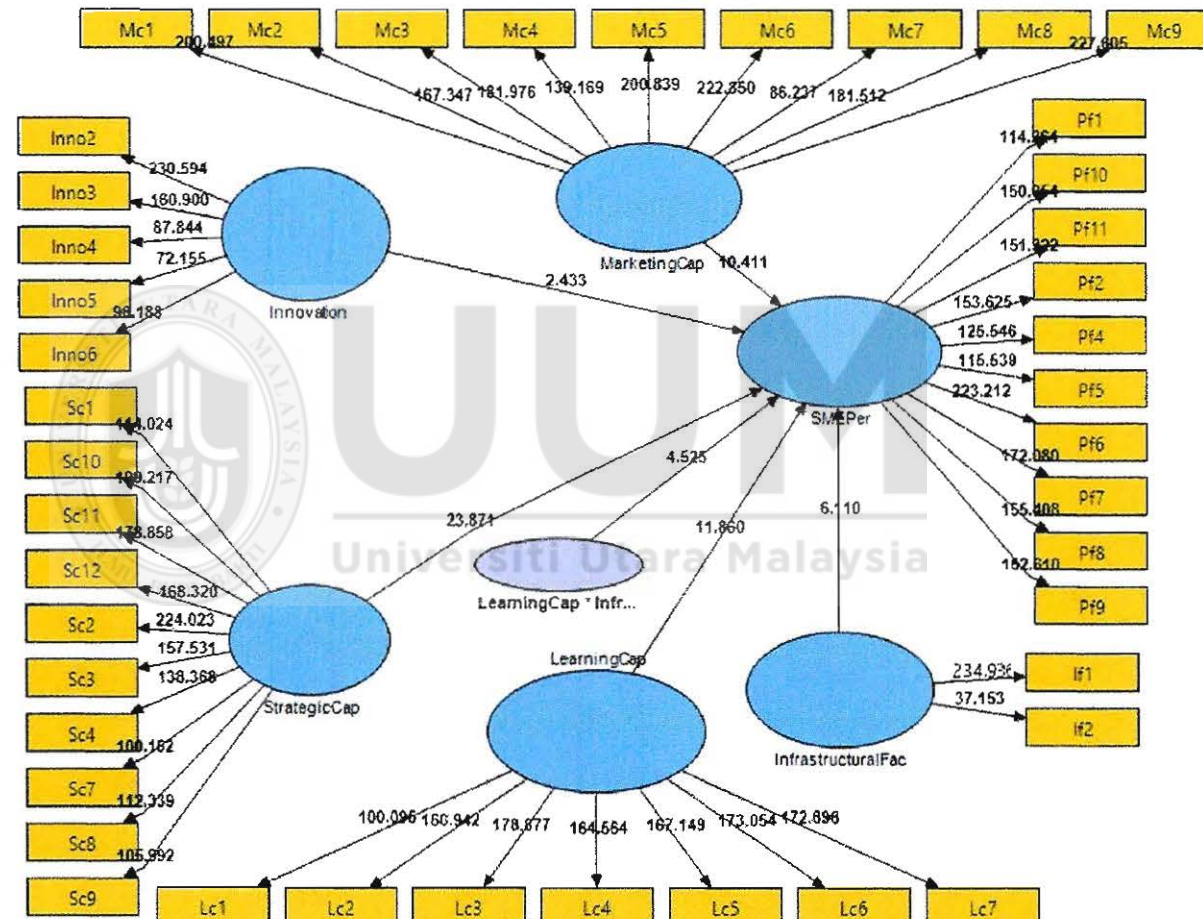
## Appendix D

### Moderating effect of IF on the relationship between MC and performance of manufacturing SMEs



## Appendix E

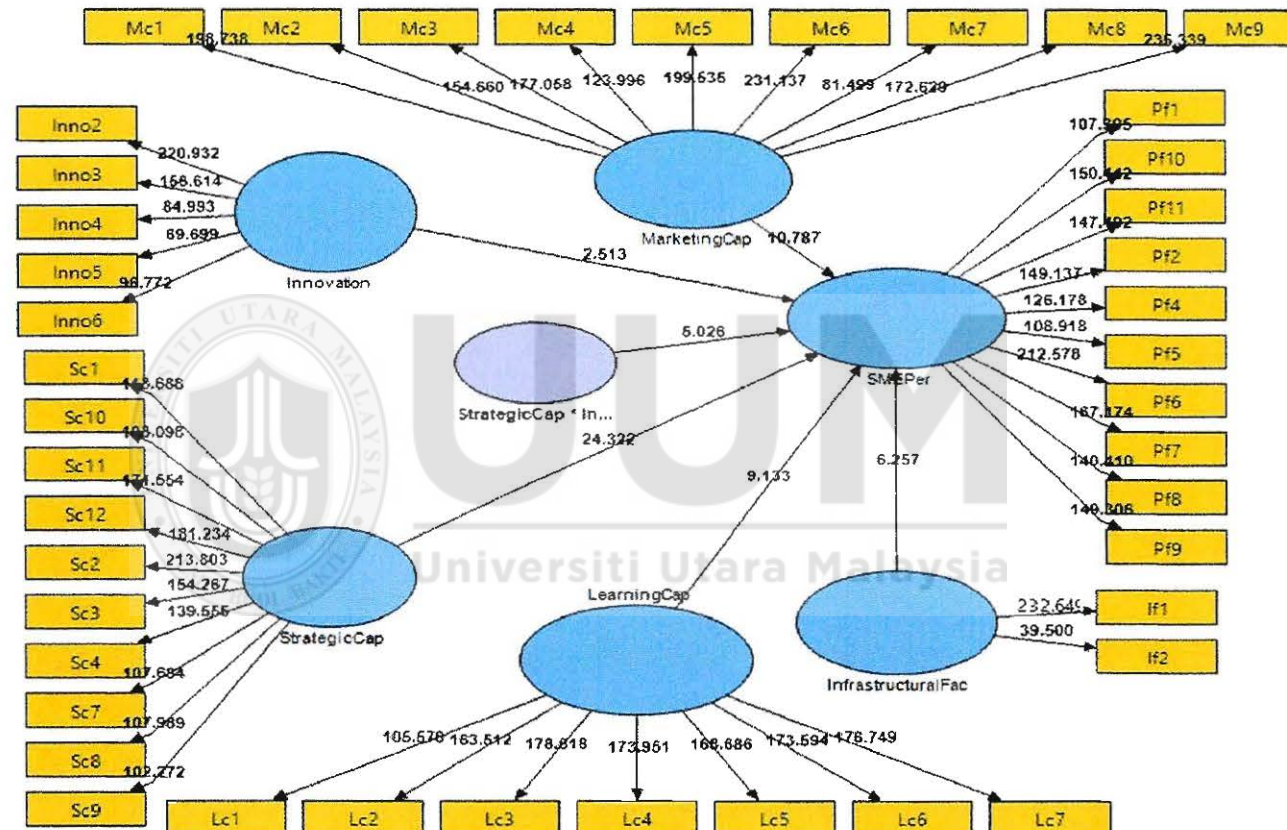
### Moderating effect of IF on the relationship between LC and performance of manufacturing SMEs





## Appendix F

### Moderating effect of IF on the relationship between SC and performance of manufacturing SMEs



## Appendix G

### List of Manufacturing SMEs

S/N	COMPANY NAME	ADDRESS
1	A.A. Gyaranya Furniture Construction Ltd	N0. 521 Aminu Kano Way, Kano
2	A.A. Haruna & Sons Nigeria	22 Kilometer Zaria Rd off Baure Village
3	A.A. Ibrahim Ventures Ltd	N0. 203 Dakata Kwanar Tifa, Sabuwar AU
4	A.A. Kura Animal Feeds Processors Nigeria Ltd.	Plot 12 Sharada phase I Kano
5	A.A. M. Kakallo Furniture Company	No. 25 Dorayi Babba Kano
6	A.A. Na'ibawa Table Water	No. 20 Niger street Kano
7	A.A.B. Tech & Eng works	N0. 541 Opp. Sani Bello Rd Kano
8	A.A.M. Pure Water	No. 27E Ado Bayero Rd, Singer market Kano
9	A.H.U.A. Oil Mills	No. SP 59 Dawanau market Kano
10	A.Hassan Modern Furniture	No.22 Lale Cinema, Aminu Kano Way Kano
11	AB Oil Mills	N0. 47 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
12	Ababa construction Ltd	N0. 21 Zangon Dakata, Nassarawa Kano
13	Abacha Furniture	N0. 201 Aminu Kano Way Kano
14	Abah Vegetable oil MPCS	N0. 33 Rangaza village, Bela Rd Kano
15	Abairu Table Water	No. 19E Bello Rd Kano
16	Abdullahi Mai karaga Gyaranya furniture	N0. 71 Aminu Kano Way Kano
17	African High Quality furniture Ltd	Plot 55 behind trade fair, Zoo Rd Kano
18	Afuwa farmers Multi- purpose	N0. 331 Kurma village, Kumbotso Kano
19	Afza Pure Water	N0. 601 Sabon titi Mandawari Kano
20	Agatu Plastic Nigeria Ltd	No. 800 Maisikeli rd, small scale industrial layout Dakata

21	AGM Dakwara Ent	Gaida yankusa, Kumbotso Kano
S/N	COMPANY NAME	ADDRESS
22	AGM Poultry Feeds Producers	No. 12 Doka, Tofa local government Kano
23	Agric Products Processors	No. 34 Bello Dandago Rd Kano
24	Agritropic Processors	No. 7 Niger street Kano
25	Agricultural Processors Nigeria Ltd	N0, 49 Hotoro GRA Kano
26	Ahamed Nakowa Alminiun Construction	N0. 409 Kadawa, Dorayi Babba, Gwale Kano
27	Ahanna & Sons Furniture works	N0. 370 Gandun Albasa, Kano municipal Kano
28	AHASI Ventures td	N0, 533 Sharada janbulo small scale layout
29	Ahlan Wasalan Integrated Venture	N0. 543 Small scall industrial area, Sharada phase I Kano
30	Ahlul Baiti Blocks	N0. 901 Along BUK Rd Kano
31	Ahmad M.S.Nigeria ltd	No.123 satatima qtrs, Kano
32	Ahmad Muhammad Dabo Furniture	N0. 654 Aminu Kano Way Kano
33	Ahuda Agro & Chemical Company Ltd	No. 123/27 Maiduguri Rd opp. CTV 67 Kano
34	Ahzab Table Water	No. 3 Hotoro Maradi Eastern bye pass ring rd
35	Aims- Drilling & Construction Nig. Ltd	No. 210 Diso qtrs, Gwale Kano
36	Aims Drilling and construction ltd	N0. 603 Kwanar Dawakin kudu small scale industrial Estate Kano
37	Aircom Systems Net	No.1 ABH Building off Kundila Housing Estate, Maiduguri Rd Kano
38	Airport Road Block Makers	No103 Airport Rd Kano
39	Asia soap and cosmetics Producers	N0. 335 Sharada small scale industrial Estate Kano
40	AJKhan Oil Mills	N0. 339 Sharada phase I small scale industrial estate Kano



41	Ajuji Poultry Feeds Processors	No. 150 Unguwar Liman Gwazaye, Kumbotso Kano
S/N	COMPANY NAME	ADDRESS
42	Akiba Oil Mills Ltd	No. 4 Gidan Kaji, Sharada small scale Ind. Kano
43	Al- Amana Yoghourt	No. 112 Tal'udu S/titi Kano
44	Al- Bustan Agricultural Processors	No. 53/54 Saunawa qtrs, behind D/kudu L.E.A Kano
45	Al- Nahl Crome furniture	N0. 41 Aminu Kano Way Kano
46	Alahory Table Water Ltd	No. 95 1 <sup>st</sup> floor Sky Memorial complex, Zoo rd Kano
47	Alajawa Beverages Ltd	N0. 221 Sharada small scale industrial Estate Kano
48	Alas Table Water	N0. 805 Sharada kwanar Ganduje Sharada Kano
49	Albarka Oil Mills	No. 1 Gidan dankura Sharada phase I small scale industrial estate Kano
50	Albarka Oil Mills	No. 1 Gidan Dankura, Sharada small scale industrial estate Kano
51	Albarka Poultry Feeds	No. 173 Sani Mainagge, beside Mu'az Makwarari Residence Kano
52	Al-fatah Blocks	No. 5 Gadar yan mata Sharada phase I Kano
53	Al-Fijir Blocks Ent.	No. 26 Na'ibawa Unguwar Gabas Eastern by Pass Kano
54	Alfindiki oil mills	N0.60 Sharada phase I small scale industrial Estate Kano
55	Alfindiki Oil Millers MPCs Ltd	N0. 61 Sharada small scale industrial estate Kano
56	Alh. Ashiru Millings	No. 62 small scall industrial area, Sharada phase I
57	Alh. Gambo Plastic Enterprises	N0. 29 Small scall industrial area, Sharada phase I Kano
58	Alh. Musa Malami Oil Millings	N0. 71 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano

59	Al-halal Groundnut Oil Company	No.2 Sani Mainagge qtrs,behind Shehu Maihula Secondary School Complex Kano
60	Alheri Agrovvet Processors	N0. 503 Along BUK Rd Kano
S/N	COMPANY NAME	ADDRESS
61	Alheri Zogale Processors	No. 1 Nababa Badamasi Rd, Bompai industrial estate Kano
62	Al-huda Maratayi Poultry Feeds	N0. 66 Maratayi qtrs, Dawakin Tofa Kano
63	Al-ihsan Block industry	N0, 87 Dorayi Babba Kano
64	Al-Ihsan Butter Bakery	200 Tukuntawa opp. Radio station Kano
65	Al-Ihsan Farm Feeds Processors	N0. 290 Gaida near Fatima Bread, Kumbotso Kano
66	Al-ihsan Oil Mills Ltd	N0. 631 Sharada small scale industrial estate, Gidankaji Kano
67	Alkasim Oil Mills	N0. 441 Sabuwar A.U small scale Dawakin Dakata Kano
68	Al-khairat Block Ent.	N0. 592 Karkasara, Tarauni Kano
69	Al-Mos Investment Nigeria Ltd	No. 76 A.A. Rano House opp. Hotoro Depot Kano
70	Almukab Dynamics Ltd	Hawan Dawaki Village, KM7 Gwarzo Rd Kano
71	Al-munawwara products	N0. 240 Fagge local government Kano
72	Al-Musdan Table Water	N0.531 Madobi Rd off. Gwazaye Town Kano
73	Al-Noor Furniture Construction	N0. 45 Kano Way Kano
74	ALPS Water	N0. 549 Kabuga along Tudun Yola Kano
75	Alsan & Brothers Iron Construction	No. 394A Kurna qtrs. Kano
76	Al-Shas-sam Ltd	No. 137 K.I.S.P Site, Bompai industrial Area, near Holbon
77	Al-Uliya Agric Ventures	Plot 37 Rijiyar Zaki, Gwarzo Rd Kano
78	Alumetal Products Construction Ltd	Plot 27, behind Trade fair complex, Zoo Rd Kano
79	Al-umma Poultry Feeds Processors	No. 2 Tokarawa, behind diga, Nassarawa Kano

80	Alyaqoot Investment Nigeria Ltd	N0. 431 Along Dan – agundi to Ja'en Rd Kano
81	Al-Zahra Buterred Bakery	N0. 443 Sharada phase II, near kwanar ganduje Kano
S/N	COMPANY NAME	ADDRESS
82	Al-Zumunta Loaf Super Bkery	N0. 32 Tudun Bofuwa, Kurnar Asabe Kano
83	Am –zain Nigeria Ltd	N0. 123 Independence road Bompai Kano
84	AMA MPCS Plastics Venture	N0. 556 Dan'bare, Kumbotso Kano
85	Amana oil mills	N0. 670 Sharada phase II Kano
86	Amfad Global Investment	No. 40 Salanta qtrs, behind ITF, Gwale Kano
87	Amfada & Sons Forms Producers	N0.511 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
88	Amin Poly Products Producers	N0. 440 Small scall indudtrial area, Sharada phase I Kano
89	Aminci Leather Works	N0.620 Guda Abdullahi street, farm Centre Kano
90	Aminci Livestock Feeds Producers	N0. 980 Dorayi Karshen Waya Kano
91	Aminci plastic Ltd	N0.502 Kwanar Dawaki small scale industrial area Phase 1 Kano
92	Amintattu Ventures	No. 1 Gidan :Labim Floor Sharada Kano
93	Aminu Algazaru Ventures	No. 17A Katsina Rd, Hajj Camp market Kano
94	Aminu Dawanau Oil Millings	No. 2 T/Murtala Sabuwar AU Small Scale Kano Industrial Estate
95	Amrh Farms Processors	No. 1 Bello Abdullahi Link, Sardauna crescent Badawa layout Kano
96	Amshariff Blocks Nigeria Ltd	N0. 698 Sallari qtrs opp. Inuwa Dutse Residence Kano
97	Amshi Global Concepts Ltd	No.2 Murtala Muhammad Way Kano
98	Amyak Manufacturing & Gen. Ent.	N0, 5A Galadima Rd Kano
99	Am-Zain Nigeria Ltd	N0. 771 Sharada phase I small scale industrial estate Kano.

100	Amzamm Global Resources Ltd	No. 55 Kundila Housing Estate, Tarauni Kano
101	Anda Furnitures Construction	No. 95 Aminu Kano Way Kano
S/N	COMPANY NAME	ADDRESS
102	Angalfai Ent. & Gen. Merchant Ltd	No. 57 Sky Memorial Complex, Zoo Rd Kano
103	Ango carpentry works	N0. 101 Aminu kano Way Kano
104	Anza Oil Mills	N0. 773 Sharada phase I, behind Sharada Friday mosque Kano
105	Arabian Furniture Makers	N0. 103 Amini Kano Way Kano
106	Assabarin Agro Allied Processors	N0. 509 Sharada Janbulo Kano
107	Ataas Groundnuts Processing MPCS	32/33 Sharada small scale industrial estate Kano
108	Atsay Commodities Ltd	No. 1 Darul Shafa, Yakasai, Kano Municipal
109	Ausag Pure Water	No. 325 Sarkin Gambari Residence, kwari market Kano
110	AYI Furnitures Works	11/600 Zarewa street Na'ibawa qtrs. Kano
111	Ayi Iron Construction Nig. Ltd.	No. 1 K/ruwa market Kano
112	AYM Pure Waters	No. 32 Na'ibawa qtrs, Kumbotso Kano
113	AYNT Nigeria Ltd	No. 1 Sallari Junction Kano
114	Azam oil mills Ltd	N0. 991 Na'ibawa Zaria Rd Kano
115	Azeema Table Water	No. 32 Beirut Rd Kano
116	B.B.H. Yakasai Mats Ltd	N0. 771 Dakata Bus stop Kano
117	B.D. Paint Makers	N0.449 Kwanar Dawaki small scale industrial estate Kano
118	B.L. Rano oil mills	N0. 441 Sabuwar A.U. small scale industrial Estate Kano
119	B.U. Table Water	N0. 213 Chiranci, along Panshekara Rd Kano
120	B.U. Table Water	N0.51 Charanci, along Panshekara Rd Kano
121	Baba Pure Water	23 Sani Buhari Triangle, Zoo Rd Kano

122	Babiri Dariya Albarka Animal Feeds Producers	No.9 Dariya Babiri village, Tudun wada local government Kano
123	Badashawa Oil Mills	N0. 320 Sharada small scale industrial cluster Kano
S/N	COMPANY NAME	ADDRESS
124	Bahlo Agro Allied Processing MPCs	No. 10 Kawo, Bus stop, Nassarawa Kano
125	Baksim Global Ventures and Construction Ltd	No. 138 Abdullahi Bayero Road Kano
126	Bash production Fagge Ltd	N0. 413 Fagge, Kano
127	Baskin construction Ltd	N0. 55 Dawakin kudu Kano
128	Bata kulki oil mills	N0. 67 Sharada phase 1 small scale industrial Estate Kano
129	Baure A. women Rice processing	No.21 Baure village Kano
130	Beauty Special Bread	N0. 88 Maikalwa qtrs, Na'ibawa Kano
131	Bechi Himma Poultry & Chickens Feeds	N0. 61 Bechi, Kumbotso Kano
132	Bechi Nigeria Ltd	N0. 63 Bechi, Kumbotso Kano
133	Behun Agrovat Processors	N0. 97 Hotoro Kano
134	Belad Cattle Fattening and Animal Feeds Processors MPCs Ltd	No. 230 K/wambai qtrs. Kano
135	Best Table Water	No. 519 Babban Giji, Tarauni Kano
136	Bichi A. poultry feeds Producers	N0. 562 Along Katsina Rd Kano
137	Bichi Acres Poultry Farmers	N0. 791 T/Tasha, Bichi Kano
138	Bichi Agricultural Farm Processors	N0. 42 Bichi local government Kano
139	Bichi Oil Millers	No. 35 Sharada phase I small scale industrial estate Kano
140	Bichi Shukura Blocks Ind.	No.5 Along FCE Bichi Rd Kano
141	Bichi Zango ventures	No10 Zangon Bichi village Kano
142	Bichi Zumunta Livestock feeds Producers MPCs	No. 99 Kanawa qtrs, Bichi Kano

143	Bimbi Poultry Farm Processors	N0. 601 Dorayi Babba, Old Airport behind Dansarari Juma'at Mosque Kano
144	Blessed Furnishing Company	N0. 98 Aminu Kano Way Kano
S/N	COMPANY NAME	ADDRESS
145	Block Making	N0. 49 Opp. Gangaria Table water near Ruqayya Bayero College Tudun Yola Kabuga Kano
146	Blocks Industry	No. 37 K/waika Kano
147	Blue Ocean Beverages Ent	No. 46 K/waika, Kabuga Rd Kano
148	BMI Universal Concepts Ltd	Block C3/4 Gwammaja housing Estate Kano
149	BMI universal construction	N0.903 Gunduwawa, Gezawa local government Kano
150	Bompai Bamataj Hide & Skin Works Ltd	N0.49 Bompai industrial area Kano
151	Bompai Banataj Hide and Skin	N0,53 Bompai, Nassarawa local government Kano
152	Brigade Women Livestock Feeds Producers MPCs	No. 79 Abbagana street, Fagge Kano
153	BSA Gadon Kaya Pure Water	No. 711 Gadon kaya, kiyawa street Kano
154	BTY Poly Bags Producers	N0. 221 Tudun Murtala Kano
155	Buagajawa Gajiya Bela Farm Processors	N0.68 Bela town, Ungogo local government Kano
156	Buden Gari Bichi Poultry Feeds MPCs	No. 100 Kanawa qtrs, Bichi Kano
157	Buden waje Poultry Feeds Producers	N0.105 Buden waje, Bichi Kano
158	Bunkure Kofar Arewa Women farmers Processing	N0. 551 Bunkure K/Arewa Kano
159	Burji Cassava Processing MPCs	N0.96 Burjin Saidawa, Dambatta Kano
160	Skin and Leather Works Ltd	No. 200 Murtala Muhammad Way, Kwangirin Jirgi Kano
161	Carpentry & Furniture	Shop No. 26 Danhassan market Kano
162	Challawa B Farm Processors	N0. 45 Challawa industrial Estate Kano
163	Challawa Excellent leather	N0, 47 Challawa industrial zone Kano

164	Challawa Excellent Leather Processors MPCs	Nakudu Tannery Ltd, plot 23 challawa industrial estate Kano
165	Chamo Ventures	N0. 543 Sharada phase III, Ja'en Kano
S/N	COMPANY NAME	ADDRESS
166	Chediyar Feru Aminci Leather works MP	No. 61 K/wambai- kurmi Rd Kano
167	Chediyar feru Ground nut oil	N0.456 Kwanar Dawaki small scale industrial zone Kano
168	Chediyar Feru Zumunta Women Groundnut Oil	No. 91 K/Kurmi Rd Kano
169	Chiranchi Animal Feeds	N0. 1026 Chiranci, Kano Municipal Kano
170	Chiranchi Shukra Poultry Farm Processors MPCs	N0. 77 Gadama village, along Kumbotso Kano
171	Chiranci Furnitures Works Ltd	N0.69 Chiranci Panshekara Rd Kano
172	Chiromawa shoe makers	N0. 557 Chiromawa Kano municipal Kano
173	Chisco Furniture Construction	N0.79 Aminu Kano Way Kano
174	Chukudi Oil Mills	N0. 561 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
175	City Furniture & Interior Decoration	No. 152 Hotoron Maradi bye pass Ring rd Kano
176	Confidence Farm Processors	No. 208 Hotoro GRA, Vice Adamu Rd Kano
177	Convenient Home Foods & Beverages Ltd	N0.98 Sharada phase I small scale industrial estate Kano
178	Cotton Farm Processing	N0. 78 Dawanau, D/Tofa Kano
179	Curtain Interior Decoration Makers	No. 4 gidan Tsohon Gabas, Aminu Kano Way Kano
180	Dabo Farm Processing Nigeria	Federal Housing Estate, Sharada No. 145 Kano
181	Dabo Nigeria Ltd	N0.91 Bachirawa along Katsina Rd Kano
182	Dahiru Plastics Company Ltd	58/59 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
183	Dakata Bagga Groundnut Oil Millers MPCs	N). 74 Dakata Sabuwar AU Small Scale Industrial Area Kano



184	Dakata Jasha Groundnut mills	N0. 92 Dakata, Nassarawa Kano
185	Dakata Tsamiya Oil Mills	No. 2 Sabuwar AU small scale estate Tudun Murtala Kano
S/N	COMPANY NAME	ADDRESS
186	Dakata Tsamiya oil Mills	N0. 612 Sabuwar A.U. small scale industrial Estate Kano
187	Dakaya pomade makers	N0. 126 Gadon kaya, Gwale Kano
188	Dala Alheri Livestock Feeds Producers	N0. 81 Along kuka Buliya Primary Kano
189	Dala Ba'amakaraba Gurasa	N0. 445 Gwammaja Dala local government Kano
190	Dala Ba'makaraba Gurasa Bakery MPCs Ltd	110 Dala qtrs. Kano
191	Dala Livestock Production MPCs Ltd	N0. 993 Gwammaja Dala Kano
192	Dala wheat farm producers	N0. 105 Gwammaja Dala Kano
193	Dala Wheat Farmers MPCs Ltd	69/70 K/mazugal along IBB Way Kano
194	Dala women food processing MPCs	N0. 771 Layin Makaranta, Mariri Kano
195	Dalhatu Manufacturing Company	32 Umaru Babura Rd, Bompai Kano
196	Damax-Foam	No. 10 Bela Rd, Ungogo, Kano
197	Dambatta Baskar Poultry Feeds Producers	KM 20 Dambatta Rd, Kano
198	Dambatta Groundnut Oil Processing	N0,902 Kazaure Rd, Dambatta Kano
199	Dambatta Islamiyya one Furniture producers MPCs Ltd	N0. 65 Dambatta town Kano
200	Dan 'agundi Young poultry	N0.891 Dan 'agundi Kano municipal Kano
201	Dan'bare Nagarta Farmers MPCs	No. 419 Dandago qtrs. Kano
202	Danbare Nagarta Farm Processors	No. 105 Dandago quarters Kano
203	Danbare Nido poultry Feeds Processing	N0.553 Danbare village, Kumbotso Kano

204	Danbare Poultry Farm Processing	N0. 87 Western by-pass Chabano village Kano
205	Dambatta Shagari Qtrs Poultry Feeds Ltd	N0.671 Dambatta, Shagari qtrs. Kano
S/N	COMPANY NAME	ADDRESS
206	Dambatta welders	N0,698 Kofar ruwa market Kano
207	Dambatta Youth farm Processors	N0, 675 Dambatta town Kano
208	Danburji Ventures	No. 1A Zaria Rd near Bank of the North, Head qtrs. Kano
209	Dandago B Sabarh poultry Feeds Producers	N0. 650 Rakin kuka Kumbotso Kano
210	Dandago Farm processing Ltd	N0.971 Behind Bello Dandago House Kano
211	Dandago Farmers MPCs Ltd	N0. 562 Dandago Sabon titi Abdullahi wasai Rd Kano
212	Dandago Season Oil Millers MPCs	N0. 77 Sharada small scale industrial layout Kano.
213	Dandaji women ventures Animal Feeds Producers	N0.74 T/Yola, Gwale local government Kano
214	Dandishe Nasiha BBJ Bread Producers	N0. 562 Dandishe, Dala local government Kano
215	Daneji livestock feeds Producers	N0.892 Daneji, Kano municipal Kano
216	Daneji Livestock Feeds Producers	N0. 67 Tudun wada Dankadai Kano
217	Dandago women furniture Works	N0. 561 Gandun albasa along Trade fair complex Kano
218	Dan-haru Agro allied Processing	N0. 67 Minjibir, Kano
219	Dankwarai poultry feeds Producers Ltd	N0.95 Madobbi Rd Kano
220	Dansale Baushe & Company	No. 916/7 Rijiyar Lemo qtrs. Kano
221	Danshayi Millenium Ent. Ltd	No.59E Ado Bayero Rd, Singer Market Kano
222	Danshila Steel Construction Company Ltd	N0,308 Gwarzo Rd Kano
223	Danware Block making	N0. 69 Bunkure local government Kano

224	Darma Poultry Feeds	No. 17 Maganda Rd, Kano
225	Darul Khiair Ground nut oil MPCS	N0. 83 Dakata Bus stop opp.Universal Textile Kano
226	Daukaka Farms Processors	N0. 561 Sabuwar Giginyu, Ring Rd, Nassarawa Kano
S/N	COMPANY NAME	ADDRESS
227	Dawanau Pure Water	N0.872 M/Muhammad Way, Kano
228	Dawanau Plastics	No131 Kwa-kwaci Dawakin Tofa Kano
229	Dawanau Oil Millers MPCS	No.69 Sharada phase I small scale industrial estate Kano
230	Dejotex Alminiun Works	No. 437B Police outpost opp. Corner Maggi, Maiduguri Rd Kano
231	Diamond Fertilizer	No. 4 Kunture Town, Ungogo Kano
232	Dibatu soap Producers	Janbulo 2 <sup>nd</sup> Gate N0.67 Kano
233	Dini Shoes & Leather Works	No. 16 K/wambai qtrs, Kano Municipal
234	DIS Pure Water	N0. 1051 Goron dutse, Dala Kano
235	Diso oil mills	N0. 72 Sharada phase 1 small scale industrial Estate Kano
236	Diso Oil Mills MPCS	No. 19 Farm centre GSM market Kano
237	Diso Rice Processing company	N0. 669 Challawa industrial zone Kano
238	Disoweb Nigeria Ltd	No. 70 Shy Shopping Plaza, Gadon kaya
239	Dogara oil Millers	No. Sharada small scale industrial Estate Kano
240	Dorayi Babba fish and poultry Feeds Producers	N0. 39 Dorayi Babba, Gwale Kano.
241	Dorayi Nafasham women Leather works	No. 15 LKD Dorayi, Gidan Sarkin D utse
242	Dukawa women leather works	N0. 541 Dukawa, Kano municipal Kano
243	Dukiya Agro Allied MPCS Processors	N0. 87 Sharada small scale industrial estate Kano.
244	Dukawa Farm Processors	N0.544 Dukurawa qtrs. Kano
245	Dumma Company Ltd	No.5 Bachirawa yankatako Kano

246	Dumma Table Water	N0. 671 By Waziri Gidado Hospital yankatako, R/lemo Kano
247	Dundu Agro. Allied MPCs	No. 600 K/Na'isa, Gwale Kano
248	Durumim –Iya Fish Farmers MP	Plot 100 Tukuntawa, behind Sani Kabara Residence Kano
249	Dying Schamasch Dying and Company	Link 2 Habib Yassar opp. Mobile filling station, Kofar Kabuga Kano
S/N	COMPANY NAME	ADDRESS
250	Dynamic International Investment Ltd	No. 140 Maiduguri Rd Kano
251	Eco- Iron & Steel Works	N0. 185 K/ruwamarket Kano
252	El- Tijja Alminiun Construction	N0. 53 Kadawa, Dorayi Babba, Gwale Kano
253	El-Sadiq Special Bread	KM I Madobi Rd opp.Sani Abacha Youth Development centre Kano
254	Executive Furniture Makers	N0. 68 Aminu Kano Way, Kano
255	Fa'ida Bread	N0. 911 Kofar gadon kaya Kano
256	Fadhala Poultry Farmers	N0. 662 Unguwa Uku, Ring Rd Kano
257	Fagge Dandali Alheri Poultry Feeds Processors	No. 203 Fagge A, Sheikh Umar Sani Fagge Line Kano
258	Fagma Oil Mills Ltd	N0 449 Dawakin Dakata Small Scale Industrial Area Kano
259	Falgore Gulbai C Fadama Animal Feeds Processors	N0. 695 Falgoren Daji Kano
260	Farhan Table Water	N0. 482 Dawakin Dakata behind Gidan Maisikeli Kano
261	Farm centre welders	N0. 662, U/ Uku, Tarauni local government Kano
262	Farmers & Agricultural Products Processors Nig. Ltd	No. 606 Maikalwa qtrs, Kumbotso Kano
263	Farming & Agro Allied Feeds Producers	N0. 31 Dangu Kura, Kano
264	Farming Poultry Feeds Producers	Block 6 Zoo Rd Housing Estate Kano
265	Fatima Bread	N0. 55 Along Kumbotso Rd Kano

266	Fatima Farm & Poultry	N0 32 Kura town, Kano
267	Fatima Rahma Farm Ventures	N0. 1055 Sallari qtrs, Behind AKTH Kano
268	Fayman Poultry Farm Feeds Producers	No. 2054/55 Dorayi Babba qtrs. Kano
269	Ferry- Menia Oil Mills	N0. 79 Bilbilo Avenue Hotoro, Nassarawa Kano
270	Fish Farming	N0. 761 Janguza, Tofa Kano
S/N	COMPANY NAME	ADDRESS
271	Fish Farming & Poultry	N0. 662 Kakara village, along Gezawa Kano
272	Fisheries Farm Feeds Producers	No. 444 Gwale yan alewa Kano
273	FK Oil Mills	No.20 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
274	Fulani Farms & Fisheries Ltd	118/104C S.K. Bayero Rd, Sharada phase II Kano
275	Gabari Agro Allied Processors	147/148A Mai kalwa yanlemo, Zaria Rd Kano
276	Gabari Oil Mills	No. 9 Gidan Kaji Sharada small scale industrial unit Kano
277	Gadama Farm Feeds Producers Ltd	N0. 431 Fagge local government Kano
278	Gala Groundnut Oil MPCS	No.46 Sharada small scale industrial estate Kano
279	Galadima Road Maimai oil Millers MPCS	Bagadawa industrial layout, Dawakin Tofa Kano
280	Ganduje poultry farm Processors	N0.31 Ganduje village, Dawakin Tofa local government Kano
281	Gano Women Poultry Farm Processors	No. 315 Yan'awaki Malafa, Kano Municipal
282	Gareji Table Water	No. 64 Kabuga, plot 3270 K/waika qtrs. Kano
283	Garma Rice Producers	No. 55 Doguwar Giginya Kano
284	Gaskiya oil millers	No. 87 Sabuwar A.U. small scale industrial area Kano

285	Gaskiya Poultry Farm Venture	No. 328 Aminu Kano Way, near KCC Kano
286	Gidauhiya Bakery	No. 20 Dawakin Dakata Kano
287	Gide Oil Mills	No. 98 Sharada phase I small scale industrial estate Kano
288	Giginyu women Ground nut oil	No. 74 Sabuwar A.U. small scale industrial Estate Kano
289	Giginyu women soap & cosmetics production	No. 81 Giginyu, Nassarawa Kano
300	Ginger Processing	N0. 91 Walawai, Tarauni Kano
S/N	COMPANY NAME	ADDRESS
301	Golden voice concept Ltd	N0. 98 New Masallachi Rd, off. Hadejia Rd Kano
302	Ground nut oil mills	N0. 83 Sharada small scale industrial area Kano
303	Groundnut Oil Mills	N0 449 Dawakin Dakata, Nassarawa Kano
304	Gwale Natsira women Furniture Construction	No.22 Dorayi, Unguwar Bello, Gwale Kano
305	Gwale Nihafsy Poultry Feeds	No 1041 Sabon titi, Panshekara Rd, Kano
306	Gwale Shamasha women leather works	N0. 563 Dorayi karshen waya, Kano
307	Gwale women pomade	N0 41 Gwale Yan' alewa Kano
308	Gwammaja oil mills & Gen. Ent	N0. 42 Sabuwar A.U. small scale industrial Estate Kano.
309	Gwaski Dandago Oil Millers	N0. 87 Sharada small scale industrial Estate Kano
310	Habib Furniture Makers	N0. 91 Aminu Kano Way Kano
311	Hablu Agro Allied Feeds Processors	N0.97 Along BUK Rd, Kano
312	Hadejia Rd Table and Bottle water	No. 26 Malam Maidoki street Hadejia Rd Kano
313	Hagagawa Fadama & Animal Feeds Processors	No. 151/52 FCE Rd, Bichi Kano
314	Haido ventures	No. 312 Fagge local government, Kano

315	Halifa Bread	No. 341 Bayan Tashar Kwanar Dangora, Kiru local government, Kano
316	Halilco Nigeria Ltd	50 Fagge ta kudu, Kano
317	Halimat Sadiya Pure Water	Plot 96 Katsina Rd, Hajj Camp market Kano
318	Handicraft metal works MPCS	N0. 952 Murtala Muhammad Way, Kano
319	Haske Plastic Nigeria Ltd	N0. 551 Kwanar Dawaki small scale industrial area Kano
320	Hauren Balago Metal Works	N0. 661 Yakasai Hauren Balago Kano
321	Hausa Hide and Skin Works	N0. 631 Gwangiri, along Murtala Muhammad way, Kano
S/N	COMPANY NAME	ADDRESS
322	Hausawa A. Poultry Feeds Producers	N0.71 Giada Gonar soja, Kumbotso Kano
323	Hausawa Aminci poultry farm Processors	No. 53 Hausawa – Diso, Gwale Kano
324	Hausawa Zoo Road Shoe Makers	N0.213 Hausawa Zoo Rd Kano
325	Hauwa Investment Nigeria Ltd	No.171/13 Kundila Housing Estate Kano
326	Hikima Gen. Ent.	N0. 221 Opp. Agantasa, Gayawa, Ungogo Kano
327	Hikima Poly products Manufacturers	N0. 55 Sharada small scale industrial Estate, Kano
328	Hikima Poultry Farm Production Ltd	No. 106 Sheka unguwar kudu Kano
329	Hikima steel construction	N0. 621 Kofar ruwa yan rodi Kano
330	Hilder International Ltd	No. 156 Maman Bida line, k/wambai market Kano
331	Hizaq Nigeria Ventures	No. 22/23 Sharada phase I, opp. Gidan Wanka Kano
332	HMD Universal Association Ltd	No. 6 Gargagiya Restaurant line, off IBB Sani Abacha Kano
333	Hotoro GRA AL-Manafy Yoghourt Marketers	No. 8/9 Hotoro GRA, Maiduguri Rd Kano
334	Hotoro kangon mangal dying	N0. 311 Hotoro, Kano



335	Hotoro kwanar magi Agro Allied	N0. 781 Kwanar magi Kano
336	Huggalawa Poultry Farm Feeds Processors	No. 500 Huggalawa, Bichi Kano
337	Husky Akram Water Nigeria	No.16 Shagari qtrs, Kumbotso Kano
338	Husna Table Water	No. 651 Behind Sharada Juma'at mosque, Sharada bata Kano
339	Hussain Fisheries Poultry Feeds Producers Company	No. 4 Rangaza village Kano
340	I.S. Jama'a Ventures	No.3 New Hospital Rd, Tarauni Kano
341	I.Saad Multi furniture Construction	No. 2015 K/kudu yandurma along model primary school ,Dambatta Kano
342	IBI Farms Processing	12B Ceasar Avenue, Kwakwachi Kano
S/N	COMPANY NAME	ADDRESS
343	Imawa C. Rice Processing MPCS	N0. 41 Imawa Town, Kura Kano
344	Indabawa Albarka Ikwan Shoe Makers MPCS Ltd	N0. 771 Indabawa filin Wali, Kano Municipal
345	Indabawa Albarka shoes	N0. 773 Indabawa, Kano municipal
346	Indabo steel construction	N0. 31 Wudil local government Kano
347	Indoria industries Ltd	817 Kawaji layout, Bompai Kano
348	Inganci Hideskin MPCS Ltd	No. 52 Abbatour, K/mazugal Kano
349	Iniphase Nigeria Ltd	No. 18B post office Rd Kano
350	International Cotton & Oil Processors Ltd	Plot 5-7 AU Water street Dawakin Dakata Kano
351	Işab Oil Mills Ltd	Plot 96 Sharada phase III industrial estate Kano
352	Ishaq Sa'idu & Sons Pure water	N0. 431 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
353	Jadda farm	No. 60 Rimin kebe, Ungogo local government Kano
354	Jadid Bread	N0. 431 Gwammaja, Dala local government Kano
355	Jakada Investment Company	No.4 Rumfar Shehu Rijiyar Zaki Kano

356	Jakada Oil Mills	N0. 59 Sharada small scale industrial estate Kano
357	Jakara oil mill production	N0 441 Kwanar Dawaki small scale industrial area Kano
358	Jakara Oil Millers	N0. 28 Sharada phase I small scale industrial estate Kano
359	Jallorawa Groundnut Oil	N0. 612 Jallorawa K/Arewa, Bunkure Kano
360	Jam Oil Millers	N0. 443 Sharada Industrial Area phase 1 Kano
361	Jamal Leather works ventures	N0. 65 K/wambai near primary school Kano
362	Jamilu Sani & Company	N0. 1063 Goron dutse qtrs. Kano
363	Jamnas Poultry & Animal Feeds Producers	No. 431 Zangon Dakata, Ungogo Kano
S/N	COMPANY NAME	ADDRESS
364	Jingau Paint & oil Ltd	N0.431 Jingau, Gwale Kano
365	Jingau Paints & Oil Ltd	35 Sharada small scale industrial cluster
366	Jisai paints Makers ltd	N0. 552 B Abubakar Rimi market, Kano
367	Kabarawa Table water	No. 1 Wailari qtrs by pass Kano
368	Kabawa Plastic General Ent.	No. 61 AU street Dakata Kano
369	Kabuga Oil Mills	N0.69 Small scale layout, phase I, Sharada Kano
370	Kabuwaya leather works	N0.213 Kofar wambai market Kano
371	Kabuwaya Leather Works MPCs	N0, 217 K/wambai market Kano
372	Kabuwaya Shoe makers MPCs	No. 16 Festival Primary School Kano
373	Kano Murdant Bread	No. 25 Rangaza, ungogo Kano
374	Kantudu oil mills	N0. 931 Sharada phase 1 small scale industrial Estate Kano
375	Kareka Minning & Quarrying Company	N0. 52 Sauna Kawaji, Nassarawa local government Kano
376	Karfi Rice Mills Nigeria Ltd	N0 18 Karfi town, Kura Kano

377	Karfi Suuma Agro Allied MPCS Ltd	N0. 660 Karfi Channel line off. Rano Rd Kano
378	Kawo Bus stop Blocks	N0. 771 Tarauni, Nassarawa local government Kano
379	Khadija Bakery Ltd	N0.937 Dorayi layout, Kano
380	Khadija Oil Mills	N0. 642 Phase I Sharada small scale industrial estate Kano
381	Khalil Bakery	N0.871 Tudun Yola, Gwale Kano
382	Khalisma Yoghourt Ltd	N0. 639 Tukuntawa B, Kano Municipal Kano
383	Kiyawa Oil Mills & Agro Alliedi	N0. 551 Dakata small scale industrial layout, Nassarawa Kano
384	KK Sheshe Steel and Aluminum Works	No. 8 behind Tasha Kadawa, Gwale local government Kano
385	Kofar Wambai Liyafar Kafa Shoe Makers MTP	N0. 616 Lungun Marmara K/wambai Kano
S/N	COMPANY NAME	ADDRESS
386	Kofar mata vegetables	N0. 413 Kofar mata near Shiekh Ahmad Tijjani Mosque Kano
387	Kofar mazugal women leather Works	N0. 931 Sarari K/mazugal Kano
388	Kofar Na'isa Plastic	No. B9 K/wambai market Kano
389	Kofar Nassarawa Women Furniture Construction	No. 55819 K/Nassarawa Kano
390	Kofar Ruwa Alkhairi Carpentry Works Ltd	N0.581 K/ruwa yan katako, Kano
391	Kofar Waika Traders Multipurpose	No. 2 Bata, Murtala Muhammad Way Kano
392	Kofar Waika Women traders	N0.73 Layin Gidan Tijjani likita, Kofar waika Kano
393	Kofar Wambai / Kadawa Leather works	No. 2 Kofar wamba Near i primary school Kano
394	Kofar Wambai /Malafa Shoe Making	N0. 73 Kasuwar kofar wambai Kano
395	Kofar wambai A Shoe makers MPCS Ltd	No. 240 K/wambai qtrs. Kano

396	Kofar Wambai Aminci Leather Works MPCs Ltd	N0. 87 Haruna Kassim link K/wambai market Kano
397	Kofar Wambai Bunkasa Shoe Makers	N0 245 Kofar wambai market, Kano
398	Kofar wambai Cotting & Sellers	N0 247 Kofar wambai Kano
399	Kofar Wambai Jagorancin Al'umma Shoe Makers	No. 255 K/wambai Kano
400	Kofar Wambai Karamci Shoes	No. 250 K/wambai qtrs., Kano
401	Kofar wambai Malafa Leather Works MPCs	270 K/wambai qtrs, Kano Municipal Kano
402	Kofar wambai Marmara Zumunta Shoes	No. 270 Marmara K/wambai market Kano
403	Kofar Wambai Nasara Bread Producers	No. 635 k/wambai kan
404	Kofar wambai Sauki Super Bread	No. 356 k/wambai qtrs. Kano
405	Kofatai Plastic Producers	No. 4 Tijjani Usman K/wambai Kano
S/N	COMPANY NAME	ADDRESS
406	KSP Confectionary Bread	Kano State Polytechnic, Central Administration, BUK Rd Kano
407	Kufar Ruwa Yankatako Alheri Furnitures MPCs	N0. 621 Yankatako K/ruwa Kano
408	Kumbo MPCs	N0. 331 Maikalwa village, Kumbotso Kano
409	Kumbotso digar jirgi dying	N0, 211 Digar jirgi along Kumbotso town Kano
410	Kumbotso Ja'en Rice Processing	N0, 441 Kumbotso town Kano
411	Kumbotso Nagarta Block Makers MPCs	N0. 445 Eastern by pass, Kumbotso Kano
412	Kundila Alheri Poultry Feeds Producers	Block N, No. 12 Kundila Zaria Rd Kano
413	Kura Rice processing and dealers	N0. 33 Kura Town, Kano
414	Kurnar Asabe furniture works	N0. 35 Kurna Babban layi Kano
415	Kuyan ta inna Nigeria ltd	N0. 831 Kuyan ta inna, Kumbotso Kano

416	Kwachiri kamfala dying	N0.41 Unguwar kwachiri Kano
417	Kwamarawa Farmers & Livestock Feeds Producers	N0. 921 Kwandawa, Kwamarawa, Saye, Bichi Kano
418	Kwarnar Jajira fertilizer	N0. 782 Gwammaja, Dala local government Kano
419	L.C. Minjibir Dynamic Ltd	N0. 52 Minjibir local government Kano
420	Ladidi Oil Production Company	N0. 489 Sabuwar AU industrial area Kano
421	Langel marle farmers Processors	N0. 63 Tofa Town, Tofa local government Kano
422	Lawamu Table Water	Zawaciki opp. Juma'at Mosque, no .388 Kumbotso Kano
423	Lovers Butter Bread	N0. 72 Behind Nababa Badamasi Residence, Shiekh Mudi Salga Rd Kano
424	Madabo Youth Poultry Farmers	N0. 63 Danbare, Kumbotso Kano
425	Madaci Plastics Ltd	No. 61 small scale industrial area, Sharada phase I Kano
S/N	COMPANY NAME	ADDRESS
426	Madaciya Plastic Nigeria Ltd	N0. 54 Sharada phase 1 small scale industrial Estate Kano
427	Madatai Agro Allied MP	No. 114 Madatai, Kano Municipal
428	Madi Animals Foods Processing	Plot. 296 Farm centre Kano
429	Magashi Oil Millings	N0. 651 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
430	Mahayat Fashion Design	N0. 490 Zoo Rd, Kano
431	Mahbas Global Investment Ltd	N0. 651 Mai adua, Goron dutse Kano
432	Mahrifty Global concepts Ltd	N0.81 Mazangudu, Gabasawa, Kano
433	Mai aduwa Farar Aniya Women Kamfala MPCS	N0. 561 Gwammaja, Dala local government Kano
434	Mai Bitil General Enterprises	No. 5 Gidan Hasiya Abdullahi, Gwarzo Rd Kano
435	Mai Dorawa Primary line Poultry Farm Processing.	No.720 Kurna Asabe Mai Dorawa Kano
436	Mai Haja oil Mills	N0.167 Small scale industrial area, phase I Sharada Kano

437	Maiburgami Company Nig. Ltd	No. 2 Miller Rd, Satatima Plaza opp. Police Officres Mess Bompai Kano
438	Maibushira Dankwarai Poultry Feeds Producers	N0.952 Tarauni qtrs. Kano
439	Maicingam Confectionery Enterprises	N0.149 Sharada small scale industrial layout Kano
440	Maigiwa table Water Industry	N0. 612 Madobi rd, opp. Sani Abacha Youth centre Kano
441	Maikadara farm Processing	N0.901 Along Madobi way, kano
442	Maikaddara Farm Processing	N0. 523 Bichi Town, near LEA Kano
443	Maikeke Himma Poultry Feeds	No.3 Layin Tsamiya Kuma Kano
444	Maikudi Auto Technical Works	No. 7B Zoo Rd Kano
445	Mainasara Enterprises	N0371 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
446	Maisagagi Bakomai International Company	No. 359 K/ruwa market Kano
447	Maishunku Ventures Ltd	Plot 9 Danbare Town, Gwarzo Rd kano
S/N	COMPANY NAME	ADDRESS
448	Maize and Rice Processing	N0.823 Hotoron Arewa Kano
449	Makfin Kofar wambai shoe making	N0.639 Malafa K/wambai Kano
450	Malafa Kwada Hand Craft MPCS	No. 270 K/wambai Kano
451	Malam Haruna Furniture Works	No. 19 Lale Cinema, Aminu Kano Way kano
452	Mandawari Ent. Nigeria Ltd	No. 63 El-Duniya, Ibrahim Taiwo Rd kano
453	Manhaj Table Water	N0. 542 Sharada small scale industrial area Kano
454	Manifold Global concept Enterprises	No. 168 S/titi Kano
455	Manladan Poultry Feeds Producers	N0. 871 Unguwar Dabai Kano
456	Maraba Bread	N0. 654 Ibrahim Dabo Rd Kano

457	Marha Bakery	No.12 Lodge rd, New modern Bakery kano
458	Marmara Ent.	N0. 836 Bompai, Kano
459	Marmara Plastics Ltd	N0 953 Sharada small scale layout kano
460	Maruku Farms Processors	7KM Muruku Town, Garko local government Kano
461	Maryam Best Furniture Works	N0.690 Gandun Albasa, Kano Municipal Kano
462	Masaka poultry feeds	N0 1012 Masaka, Dala kano
463	Masu Pure Water	No. 7 Sharada phase I, Ringi Kano
464	Masukwani Poultry feeds	725 Lamido Rd, Nassarawa behind Ni'ima Guest Palace Kano
465	Matasa Wambai Shoe Makers MPCs	No A 365 along K/wambai motor park Kano
466	Matasa wambai shoes	N0.290 K/wambai market Kano
467	Mauks International Blocks	155A Dorayi Babba along BUK Rd Kano
468	Metal Construction Works	N0, 642 Tudun Yola adjacent to Skiekh Bamba Juma'at Mosque Kano
S/N	COMPANY NAME	ADDRESS
469	Mihiban Small Scale Grains & Processing	No. 17 Kabuga new layout, Northwest University Rd Kano
470	Mijirya Oil Mills	No. 13 Gidankaji, Sharada small scale industrial estate Kano
471	Mima Blocks Construction	N0.978 Behind APCU, Kano
472	Mirrow Foods Enterprises	No. 9 Sankore street new Badawa layout, Nassarawa Kano
473	Mohad Kabir Investment Ltd	Plot 61/62 Sani Marshall small scale layout Kano
474	Mojees Table Water	No, 1A Bompai Rd opp. Nepa office Murtala Mugammad way Kano
475	Mopa poly products Manufacturers	N0.549 Sabuwar AU T/Murtala, Nassarawa local government Kano
476	Mu'azzam Global Ventures	No 23 Birtenin Shano Yakudima estate, Katsina Rd Kano
477	Mubuga Farm Processors	N0.671 Marmara, Kano municipal



478	Mufak Agro Allied Processors Ltd	No. 20 Hotoron Mahauta Kano
479	Mufida Ice Producers	N0. 82 Sharada phase I small scale industrial estate Kano
480	Muhammad Abdullahi Modern Furniture Works	No. 21 Lale Cinema, Aminu Kano Way
481	Muhammad Adamu & Sons Ltd	1191E K/Ruwa market
482	Muhammad Sharp Furniture Works	N0. 56 Aminu Kano Way, Kano
483	Muhnasar Furniture Construction	Plot 15 trade fair ground, Lawan Dambazau Rd Kano
484	Muhusin Furniture Works	N0. 57 Zaria Rd Kano
485	Munfaqi Agro Allied Processors	N0.981 BUK Rd Kano
486	Munir Furniture Construction	No. 26 Lale Cinema, Aminu Kano Way
487	Musa Mauche Farms Processors	Shop No. 1 Gidaje Plaza, behind filling station Zoo rd Kano
488	Musafeer Foods & Beverages Venture Ltd	No. 1248/1250 Musafeer street, Hotoro north Kano
S/N	COMPANY NAME	ADDRESS
489	Mushab Nigeria Ltd	No. 61 small scall indutrial area, Sharada phase I Kano
490	Mushaka Confectionery. Nig. Ltd	N0. 69 Sharada phase I small scale industrial estate Kano
491	Musty Fresh Plastic Nig. Ltd	N0. 514 Garejin Alh. Bature Panshekara Kano
492	Na'ibawa Agro Allied Processors	N0 66 Sharada small scale industrial estate Kano
493	Na'ibawa Block Makers MPCs	Plot No. 1 Na'ibawa pipeline by Danhassan Rd Kano
494	Na'ibawa Block Makers MPCs	N0. 521 Na'ibawa Pipeline by Dan-Hassn Rd Kano
495	Na'ibawa Layin Yan-taxi Block Makers	N0. 525 Wailari, Kumbotso Kano
496	Nagarta Rice and Millet Processors	N0.451B Dawanau market, along Katsina Rd Kano
497	Naka Furniture Works	N0.609 Aminu Kano Way

498	Nasara Oil Mills	No. 74 Independence Rd Kano
499	Nasiha Farmers MPCs	N0.58 Sharada phase I small scale industrial estate Kano
500	Nassarawa Fish Processors	N0. 761 Nassarawa GRA, Kano
501	Nassarawa Lodge Road Poultry Feeds	Plot 175 Maitama Sule Rd, Nassarawa GRA Kano
502	Nassarawa Rahina Poultry Farm Processors	No. 7 Gidado Rd, Nassarawa Kano
503	Nuba Groundnut & Cake MPCs	No. 3 Ajasa Rd off civic centre, Kano
504	Nurham Table Water	No. 118 B close 32 Rd, Federal Housing Estate Sharada phase II Kano
506	Nusaiba Bread	N0. 111 Kofar Dawanau, Kano
507	Oil Milling	N0.723 Dawakin Dakata Business Unit, AU Rd Kano
508	Oil Mills	No. 5 Gidan dankura, Sharada small scale industrial estate Kano
509	Oil Mills production company	N0.761 Bagadawa, Dawakin Tofa Kano
510	Oil Processing	No.3 AU line, Maisikeli Rd Dakata Kano
S/N	COMPANY NAME	ADDRESS
511	Oil Processing Mills	N0. 973 Sabuwar AU Kano
512	Our Choice Standard Quality Block & Interlock	N0.84 Sabuwar Gandu Kano
513	Panisah Nigeria Ltd	No. C20 Na'ibawa behind Sani Brothers Transport, Zaria Rd Kano
514	Panisau poultry farm Processors	N0.852 Ungogo local government Kano
515	Perfectual table Water	No. 4 Fari Town, Zaria Rd Kano
516	Plastic Production and Company	N0 10 Bagadawa, Kano
517	P & A Plastic Producers Ltd.	N0. 561 K/wambai Yan-robobi Kano
518	Points Plastics	No. 79 Sharada industrial layout kano
519	Polybags Production Company	No. 24 Audu yahaya Dambatta House, Ado Bayero Rd Kano
520	Polythene & Rubber Producers	N0. 901 Dawakin Dakata, Nassarawa kano

521	Poultry & Chicken feeds Producers	N0.74 Challawa Wreca staff qtrs, Panshekara Kano.
522	Poultry & Fish Farming Feeds Producers	No. 27 Yadado Round Panshekara Kano
523	Poultry & Fish Farming Processors	No. 160 Garko local government Kano
524	Poultry & Table Water	No.3 Dakasoye, Garin Malam local kanogovernment
525	Poultry and Cattle Farm Processing	N0. 651 Danbare, Kumbotso local government Area Kano
526	Poultry Farm Feeds Producers	N0. 29 Gaida, Kumbotso Kano
526	Poultry Farming Processing	N0. 661 Barodo, Fagwalawa, Dambatta Kano
528	Poultry Farming and Production	N0.620 Kwanar Dawaki small scale industrial estate Kano
529	Poultry Farming, Fish & Agric. Produce	No.7 Katsira cikin gari, Kiru Kano
530	Poultry Farming, Fish & Agric. Produce	No. 34 cikin gari Kiru Kano
531	Poultry Feeds Producers	N0. 561 Tumfafi village, Dambatta Rd Kano
S/N	COMPANY NAME	ADDRESS
532	Poultry Feeds Production	No 840 Department of Agriculture, Nassarawa local government Kano
533	Poultry Young Fadama Farm Processors	N0. 56 Near GSS Gezawa Yamma Kano
534	Poultry Farming and Animal Feeds Production	No.5 Na'ibawa beside National truck Manufacturers, Zaria Rd Kano
536	Prime Global Agricultural industries Ltd	N0. 612 Phase I Sharada industrial estate kano
537	Processing Oil Mills	N0. 617 Sharada phase I small scale industrial estate Kano
538	Production of Oil & Cake	No.2 Gidan Kaji Sharada kano
539	Products of Poly bags	No. 27E M/Murtala Way Kano
540	Progressive Leather Handcraft	No. 207D Zage, Kano Municipal

541	Progressive leather works	N0. 451 Dawkin Dakata small scale industrial Estate Kano
542	Pure Water & Ice Curler	N0. 561 Sharada phase I small scale industrial estate
543	Quality Farm Processors	N0. 563 Sharada phase I small scale industrial estate kano
544	Rafin kuka kowa Naso Table Water MPCs	591 Na'ibawa qtrs opp. Maikalwa, Gidan Fiat Kano
545	Rah Lam Farm & Poultry Feeds Producers	No. 71 Gaidar Fulani kano
546	Rahama Farm Poultry & Fisheries Feeds Producers	N0. 390 Farawa Mariri, Maiduguri Rd Kano
547	Rahama Poultry Feeds Producers	N0. 56 Tudun Fulani, Ungogo Kano
548	Rahama Store Works	N0. 2/3 Sharada Talamiz kano
549	Rahama Yoghourt	No. 6-10 Mariri, Maiduguri Rd kano
550	Rangaza Groundnut Oil Milling Company	N0. 67 Dawakin Dakata industrial estate Kano
551	Rice Millers	N0. 52 Karfi yan shinkafa, Kura kano
552	Rice Processing	No.320 Panshekara Rd Kano
553	Rice Processing & Boiling	N0. 67 Karfi yan shinkafa, Kura kano
554	Rice Processing & Milling	N0 57 Karfi yan shinkafa, Kura kano
S/N	COMPANY NAME	ADDRESS
555	Rijiyar Gwangwan Groundnut oil	N). 54 Rijiyar gwangwan Dawakin kudu Kano
556	Rijiyar Zaki Agro Allied MPCs Ltd	N0. 51 Yan randa Kurna, Dala local government Kano
557	Rijiyar Zaki Block Makers	N0.892 Along BUK Rd, Kano
558	Rijiyar Zaki Block Makers MPCs	N0.541 Rijiyar Zaki, Ungogo local government Kano
559	Rimin Dako Poultry Farm	N0. 21 Rimin Dako Kofar fada, Bagwai local government, Kano
560	Rimin Dako poultry farm Processors	N0. 22 Rimin Dako village, Kano
561	Rimin kira Dyieng MPCs	No. 87 D/Iya qtrs. Kano

562	Rufdan Yalwa Nigeria Ltd	N0.84 Yalwa K/fada Kafin Mai yaki, Kiru local government Kano
563	Rumfa College Alheri Poultry Feeds Producers	No. 18 Chabano Depot by ring Rd Kano
564	Rumfatu Oil Mills MPCs	N0.93 Sabuwar Asada, Katsina Rd Kano
565	Sa'a Yoghurt & Drinks Ent. Ltd	No. 4 along FCE Rd, Bichi, Kano
566	Sa'ad multi furniture Works	N0. 720 Gandun Albasa Kano
567	Sabir Table water	N0. 73 Along Panshekara Rd Kano
568	Sabon gari Hides & Skin Tanners MPCs Ltd	N0. 620 Sabon gari market Kano
569	Sabon Ruwa Fish Feeds Producers	N0 692 Bagauda opp Law School Gargai village, Bebeji Kano
570	Sabuwar Gandu Blocks & Intelocks	N0. 461 Sabuwar Gandu, Kumbotso Kano
571	Sabuwar Gandu chalk producers	N0,723 Sabuwar Gandu, Kumbotso Kano
572	Sabuwar Gandu Table water Processors	No. 74A Kabuga Janbulo Kano
573	Sabuwar Kofa Animal Feeds Production	No. 1 Nassarawa Hospital Rd kano
574	Sacks & Twine	No. 74 Bello Dandago Rd Kano
575	Sadiq Yahaya Oil Mills	N0. 845 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
S/N	COMPANY NAME	ADDRESS
576	Safiyanu Oil Mills	N0. 847 T/Murtala Sabuwar AU Small Scale Industrial Estate Kano
577	Sagagi Alheri Farm Processors	N0. 67 Sharada phase I small scale industrial estate Kano
578	Sagagi Groundnut Oil Miller	No. 79 Sharada phase I small scale industrial estate Kano
579	Saidawa Livestock & Poultry Feeds	N0. 78 Saidawa, Dambatta Kano
580	Saidawa Maize Processors	N0.77 Saidawa gari, Dambatta Kano
581	Sarari oil millers	N0. 451 Sabuwar AU small scale industrial area Kano

582	Sarari Poultry Farm Processors	N0. 61 Jajira qtrs yammata, Rijiyar Lemo, Ungogo kano
583	Sardauna Bread	N0. 513 Janbulo, Gwale Kano
584	Sarkin Yaki Farms Processors	N0 87 Sarkin yaki House, along Katsina Rd kano
585	Satatima plastic and General Ent.	N0, 531 Sharada small scale industrial Estate Kano
586	Sauki super Bread	N0. 271 Kofar wambai Kano
587	Saye Agro Allied Processors	No. 7770 Kurna, Ungogo kano
588	Saye Dogaro Dakai Maize Producers MPCs	No. 62 Saye, Bichi Kano
589	Saye Poultry Farmers MPCs	N0. 65 Saye village, Bichi kano
590	Sconl industries Ltd	No. 54 Sani Yaro street yankaba Kano
591	Seal Poly Products	Plot 39 small scale industrial estate, Sharada phase I Kano
592	SEIB Nigeria Ltd	No. 36 Rijiyar Zaki, Gwarzo Rd Kano
593	Semasco Ventures	N0 712 Sharada small scale industrial area Kano
594	Semuraf oil millers multipurpose	N0, 715 Sharada, small scale industrial area Kano
595	SGS Business Bereau Ltd	No. 26 Kawo qtrs, Nassarawa Kano
596	Sha'iskawa Dambatta Welder Works	N0. 451 Sha'iskawa, dambatta Kano
S/N	COMPANY NAME	ADDRESS
597	Shamnur Juice and Table Water	No 65 KUD Building Farm centre Kano
598	Shamnur water	No. 78 Nassarawa GRA Kano
599	Sharada Albarka oil mills	No. 23 Sharada small scale industrial Estate Kano
600	Sharada Attijara Danyangabo Soap Makers MPCs	N0. 667 Dakata Maisikeli Rd Kano
601	Sharada B. ice Block makers	N0. 52 Sharada industrial estate Kano
602	Sharada Bata Fish Farmers MPCs	N0.81 Kunture, Ungogo Kano

603	Sharada Bata Poultry Keepers Association	N0. 56 Sharada U. Nalado Kano
604	Sharada market furniture Works	No. 2 Sharada market phase I Kano
605	Sharada Nur Oil Mills MPCs Ltd	N0. Sharada small scale industrial estate Kano
606	Sharada oil Mills	N0. 67 Small scale industrial estate, Sharada Kano
607	Sharada pure water processing	N0. 93 Sharada industrial Estate Kano
608	Sharada Samira Rice Processing	No. 2 Abbatour Rd Kano
609	Sharada Tsaya da Kafarka women leather works	No. 238 Sharada Kano
610	Sharada Unguwar Na'ayya Farmers MPCs	N0. 69 Sharada small scale industrial estate Kano
611	Sharada Zumunci Poultry Farmers MPCs Ltd	N0. 63 Layin Gidan Kankara, Sani Mainagge Kano
612	Sharif Mahiru Oil & Gas	N0. 690 Ayagi, Dala local government Kano
613	Shariff Yusuf Furniture Works	N0. 65B Aminu Kano Way Kano
614	Sharubutu Liman Abdu Furnitures	N0. 731 Sharada phase III, Ja'en Kano
615	Shasan Oil Mills Ltd.	N0. 420 Sharada phase I, kwanar Freedom Radio Kano
616	Shebash Nigeria Ltd	N0. 435 Sharada phase I small scale industrial estate kano
617	Shekar Barde Soap makers	N0. 89 Shekar Barde Kano
S/N	COMPANY NAME	ADDRESS
618	Shekar Maidaki All Green Poultry Feeds Producers	308 Kabara qtrs. Kano
619	Shekar maidaki Table Water	N0. 65 Shekar maidaki village, Kumbotso Kano
620	Shiffa Plastic	No. 67C, Sharada Small scale industrial estate Kano
621	Shirawa Chicks Feeds Producers	N0. 43 Kwachirin jobe Town, Fagge Kano
622	Shirawa Ground nut oil processing	N0. 460 Kwanar Dawaki small scale industrial area Kano



623	Shirawa Oil Millers MPCs Ltd	N0. 67 Gunduwawa, Gezawa Kano
634	Shoe Makers	Shop 3/4K/wambai A market Kano
625	Shoe Making	N0. 74B Kofar Wambai market near police station Kano
626	Shoe making Works	N0. 75B K/wambai market Kano
627	Shukura Cattle Feeds Producers	No. 333A k/wambai qtrs. Kano
628	Shukura Perfumers	No. 201 Aikawa, Kano
629	Sidium Poultry Farms Processors	No. 108 Danbara, opp. BUK new site Kano
630	Sinadarin Alheri Technical Works	N0.793 Behind Kano cooperative, kofar Nassarawa Kano
631	Solina Foods & Beverages Nigeria Ltd	N0. 671 Dakata industrial estate Kano
632	Soron Dinki Zenex Animal Feeds	N0. 983C Kano Municipal Kano
633	Special Mats Manufacturers	179 Independence Rd, Bompai Kano
634	Star time paints	No. 5 Abba Dabo House, Sharada Kano
635	Stell Fabrication	N0.1093 Maganda Rd Kano
636	Success Youth Farmers MPCs	N0. 56 Danhassan, Kura local government Kano
637	Sudawa Sali Plastics	No. 46 small scale industrial area, Sharada Kano
638	Suken company Ltd	No. 1 Childrens home shopping complex Hospital Rd, Nassarawa Kano
S/N	COMPANY NAME	ADDRESS
639	Sulaiman Engineering Works	N0. 65 Sharada phase I, near Salanta school Kano
640	Sulco Chem.	No. 60B Independence Rd, Kawaji Kano
641	Tarauni Ja'oji Dying MPCs Ltd	No. 35 Ja'oji court rd Kano
642	Taskar Ground nut oil & cake processing	N0. Sharada phase 1 small scale industrial Estate Kano
643	Taskar Groundnut Oil & Cake Processing	N0. 14 Yanshana, Kumbotso Kano
644	Tasleem Agro. Allied Processing	No. 102 T/Yola qtrs. Kano

645	Tauraro Bread	N0. 521 Kasuwar Tarauni Kano
646	Tauraruwa Hatchery Incubation	No.107 Kabobo street Fagge Kano
647	Technical Azara Poultry feeds Producers	N0. 570 Technical qtrs, Nassarawa kano
648	Titus & Company Agro Allied Gen. Resources Nig. Ltd	No. 37 Niger street, Union Bank Building 1 <sup>st</sup> Floor, Room 1 Kano
649	Tofa Agro Allied Processors	N0.73 Challawa industrial zone, Kano
650	Tofa Zumunta Livestock Feeds Producers	No. 18 Jarkasa, Kofar Arewa, Tofa Kano
651	Trisom Engineering Works	Polt 3 Na'ibawa, Zaria Rd Kano
652	Trust Furniture Construction	N0. 752 Gandun Albasa, Kano Municipal
653	Tsanyawa Young Cotton Farmers MPCS	N0. 634 Tatsan, Tsanyawa Kano
654	Tudun maliki Bakery	N0. 561 T/maliki, Kumbotso local government Kano
655	Tudun Murtala Youth Agro allied & Agrovat Producers	No. 1430 T/Murtala kano
656	Tudun Wuzirci Farmers MPCS	N0. 620Kosawa, Kura local government Kano
657	Tudun wuzurchi farm Processor	N0. 157D Tudun wuzurchi along Diso Kano
658	Tugugu Dairy Processing	N0. 152 Tugugu Gwammaja Ward, Bunkure Kano
659	Tukuntawa G/Maza Farmers MPCS	N0. 55 Tukuntawa, G/maza Kano
S/N	COMPANY NAME	ADDRESS
660	Tukuntawa Iron Works	N0. 662 Tukuntawa, Kumbotso Kano
661	Tulku Farms and Agro allied	5KM Maiduguri Rd, Mariri Kano
662	Tulu Multi Table Water Ltd	No. 258 yankaba, Hadejia Rd Kano
663	Turunji Groundnut Oil Processing MPCS Ltd	N0 701 Dakata small scale industrial layout, Nassarawa Kano
664	Ubandoma Farms	N0. 521 Kuyan Town, along Madobi Kano
665	Ultimate Furniture Construction	N0. 59 Aminu Kano Way Kano

666	Ummariyya Farms Processors	N0. 27 Imawa Town, Kura Kano
667	Umsa Table Water	No. 5 Ahmadu Bello way Kano
668	Uncle Success industry Ltd	N0. 560 Friday Mosque Dakata kano
669	Unguwa uku Kyauyen Alu Farm Processors	N0. 431 Unguwa uku Kano
670	Unguwa Uku/Yan-awaki Block Ind.	No. 300 Street 14, Na'ibawa Zaria Rd Kano
671	Unguwar Ali Gurjiya Fadama	N0. 31 Unguwar Ali village, kano
672	Unguwar Bawada Nigeria Ltd	N0. 11 Rano town Kano
673	Unguwar Gado oil mills	N0.79C Sharada phase 1 small scale industrial Estate Kano
674	Unguwar Gado Oil Milling MPCs	N0. 431 Sabuwar A.U. Dawakin Dakata, Nassarawa Kano
675	Unguwar Kudu A Gwaneri Farmers	N0. 56 Gwaneri, Bunkure Kano
676	Unguwar Liman cikin Gari Farmers MPCs	No. 85 Dorayi Karama, Gwale Kano
677	Unguwar Rimi Poultry Farmers	N0. 10 Unguwar kudu, saye town, Bichi Kano
678	Unicare Hospital Ltd	No. 498/499 Bachirawa qtrs, Ungogo Kano
679	Unique Butter Bread	405 Na'ibawa Zaria Rd Kano
680	Unique Farmers	N0. 59 Behind National truck manufacturers, Na'ibawa Zaria Road kano
S/N	COMPANY NAME	ADDRESS
681	United AJ Blocks & Construction Co. Ventures	No. 4 Rangaza village, Ungogo Kano
682	Universal Animal Farm Feeds	16 off. Bela Rd, Zangon Dakata, Ungogo Kano
683	Usmanco Multiplex Furniture Works	N0 73 Aminu Kano Way, Goron dutse Kano
684	Usmaniyya Fisheries & Poultry Feeds Producers Ltd	N0. 249 Sharada phase I, kwanar Freedom Radio kano
685	Uwargida Himma Poultry Farmers MPCs	N0. 59 Kofar Waika behind Ishaq Rabi'u Mosque Kano

686	Vegetable Oil Producers	No. 17 Sharada phase II Kano
687	Vision Links Industries Ltd	N0. 45 Jabba qtrs, Fagge local government Kano
688	Wadata Agro & Allied Processors Company Ltd	Plot 65 Sharada phase I small scale industrial estate Kano
689	Wadata Agro Allied Chemical	Plot 65 Sharada small scale industrial estate kano
690	Wagawa Unguwar Ture Farmers MPCs	No. 3 by pass Rd, Kabo town Kano
691	Waika Quarry MPCs Ltd	No. 1 Tamawa village, Rimingado Kano
692	Wambai City Leather Works	No. 20 Zage qtrs, Kano Municipal Kano
693	Wambai Groundnut Oil Processing	No.153 K/wambai qtrs. Kano
694	Waraka Poultry Farm Production	No. 252 Gaidar makada Kano
695	Warawa Dunawa Form Ltd	N0.61 Warawa town Kano
696	Warure Global Furniture Works	N0. 520 Aminu Kano Way
697	Waya Paint Producer's	N0. 581 Hotoro by Pass Kano
698	Waya Table Water	N0. 72 Gaida along Panshekara Rd Kano
699	Wellima Nebban Na'I & Nagarta Yoghourt	Suit No. 5 Zoo Rd opp. Yusif Hospital Kano
700	Wood & Furniture Works	N0. 69 Sharada layin Katako Kano
701	Wudil Form Producers	N0.41 Wudil town, Kano
702	Wudil Agric processing	N0. 43 Wudil town, Kano
S/N	COMPANY NAME	ADDRESS
703	Wudilawa Furniture Construction	N0. 781 Gandun Albasa, Kano municipal
704	Y.K. Furniture Company	No. 333 Aminu Kano Way opp. Shiekh Bashir School, Goron dutse Kano
705	Yabanya Plastic Nigeria Ltd	N0. 65D. Sharada phase 1 small scale industrial Estate Kano
706	Yabanya Table water Producers	No. 687 Yalwa Goron dutse Kano
707	Yahaya Ishaq & Sons Gen. Ent.	No. 3 Kanawa qtrs, Girawa Rd, Bichi Kano

708	Yakasai (BNY) Ground nut oil	N0. 802 Sharada phase 1 small scale industrial Estate Kano
709	Yakasai Groundnut Oil MPCs	No. 76 A.A Rano House opp. NNPC Hotoro Kano
710	Yakasai Elmack and chemicals	N0. 412 Zoo Rd, Kano
711	Yakasai Forms Ltd.	N0. 92 Yankusa, Kumbotso Kano
712	Yakasai Y.Y. Oil Mills	N0. 56A Sharada phase I small scale industrial estate Kano
713	Yan doya inuwar makera Black smith	N0. 721 Kurmi market Kano
714	Yan' tabarmi ventures	N0. 549B Na'ibawa, Tarauni Kano
715	Yan'awaki Aminci Hand craft	N0. 54 Along kurmi market – Abatour Rd Kano
716	Yan'awaki Inganci Poultry feeds Producers	N0.79 Kano municipal
717	Yan-awaki Aminci Handcraft MPCs Ltd	No. 369 Yan-awaki, Kano Municipal
718	Yan-awaki inganci Poultry Farms Processors	N0. 79 Yan – awaki, Kano municipal Kano
719	Yan-awaki Zumunta Leather Works MPCs	No. 172 Malafa wambai qtrs. Kano
720	Yanlami Barkatai Maize Farmers CS	N0. 89 Na'ibawa Timber market Kano
721	Yar'ja Farms & Allied Processors	N0. 79 Ungogo local government opp. Grave yard Kano
722	Yargada Oil Mills	No. 35 Sharada phase I small scale industrial estate kano
S/N	COMPANY NAME	ADDRESS
723	Yelwa Poultry Farm & Agro Allied Processors	N0. 66 Yelwa kofar fada, Kiru Kano
724	Yola Oil Mills MPCs Ltd	N0. 201 Dakata Bus stop, Nassarawa Kano
725	Yola pure water processors	N0. 502 Along Kurmi market Kano
726	Yola women Farmers MPCs	No. 113 Kabuga, Tudun Yola qtrs. Kano
727	Yusif Zakariyya Ventures	N0. 402 Tudun Murtala Kano

728	Yusrah Poultry farm and Agro allied	N0. 301 Tsamiya Babba Gezawa local government Kano
729	Yusuf Forms manufacturers Ltd.	N0. 303 Sabuwar gandu qtrs. Kano
730	Zage Leather Works & Processing	No. 19 K/wambai behind motor park Kano
731	Zage leather works and processing	N0. 908 Zage, Kano Municipal Kano
732	Zama Lafiya Bread	N0. 401 Opp. Ta'aleemudden Islamiyya Bridge Kano
733	Zaman oil & Gas Nigeria Ltd	N0. 409 Abdullahi wasai Rd Kano
734	Zaminys Construction & Enginerering Ent.	N0. 912 Sharada phase II kano
735	Zangon Barebari Manufacturers	N0. 49 Zangon Barebari, Kano municipal
736	Zangon Bere-Bari Hand craft	No. 154 K/wambai qtrs. Kano
737	Zangon Berr-beri Alkhairi Poultry Farmers	No. 35 Ring Rd kano
738	Zara village Poultry farms Processors	N0. 601 Zara village, along, Dawakin Kudu Rd, Kumbotso Kano
739	Zarada Bakery MPCS	N0. 306 Farawa qtrs, Kumbotso Kano
740	Zeeza Plastics Producers	Plot 9C Kawaji by pass Kano
741	Zogarawa Oil Mills	N0. 300 Katsina Rd, Dala Kano
742	Zuma Edible oil multi-purpose	N0. 119 Gidan dan kura, Sharada kano
743	Zuma Special Bread	N0. 55 Unguwa uku, Tarauni Kano